APPENDIX B
BIOLOGICAL RESOURCES

BR-1 – DATA BASE RECORDS, SPECIAL-STATUS SPECIES TABLE, PCCP CONSISTENCY TABLE

CNDDB 10 Miles
December 2021

SNAME	CNAME	ELMCODE	OCCNUMBER	MAPNDX	EONDX	KEYQUAD	KQUADNAME	KEYCOUNTY	PLSS	ELEVATION	PARTS	ELMTYPE	TAXONGROUP	EOCOUNT	ACCURACY	PRESENCE	OCCTYPE	OCCRANK	SENSITIVE	SITEDATE	ELMDATE	OWNERMGT	FEDLIST	CALLIST	GRANK
Juncus leiospermus var. ahartii	Ahart's dwarf rush	PMJUN011L1	3	30031	5555	3812183	Lincoln	PLA	T12N, R06E, Sec. 09, NW (M)	135	1	1	Monocots	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19900412	19900412	PVT	None	None	G2T1
Alkali Meadow	Alkali Meadow	CTT45310CA	1	11773	22568	3812173	Roseville	PLA	T11N, R06E, Sec. 12, S (M)	175	1	3	Herbaceous	2	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19820823	19820823	UNKNOWN	None	None	G3
Alkali Seep	Alkali Seep	CTT45320CA	2	11773	13316	3812173	Roseville	PLA	T11N, R06E, Sec. 12, S (M)	150	1	3	Herbaceous	2	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19890419	19820823	UNKNOWN	None	None	G3
Andrena subapasta	An andrenid bee	IIHYM35210	4	59354	59390	3812163	Citrus Heights	SAC	T09N, R06E, Sec. 12 (M)	170	1	2	Insects	1	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19540418	19540418	UNKNOWN	None	None	G1G2
Andrena subapasta	An andrenid bee	IIHYM35210	3	59353	59389	3812163	Citrus Heights	PLA	T10N, R06E, Sec. 02 (M)	160	1	2	Insects	1	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19320312	19320312	UNKNOWN	None	None	G1G2
Riparia riparia	bank swallow	ABPAU08010	208	61275	61311	3812176	Knights Landing	YOL	T11N, R03E, Sec. 27, W (M)	23	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19910528	19910528	UNKNOWN	None	Threatened	G5
Riparia riparia	bank swallow	ABPAU08010	218	61387	61423	3812176	Knights Landing	SUT	T11N, R03E, Sec. 22, SW (M)	31	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19940609	199306XX	UNKNOWN	None	Threatened	G5
Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	1	30665	20710	3812183	Lincoln	PLA	T12N, R06E, Sec. 15 (M)	165	1	1	Dicots	3	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19391005	19391005	UNKNOWN	None	None	G2
Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	9	32045	3757	3812173	Roseville	PLA	T11N, R06E, Sec. 21, E (M)	125	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19580707	19580707	UNKNOWN	None	None	G2
Nycticorax nycticorax	black-crowned night heron	ABNGA11010	3	17136	9708	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 18, SW (M)	15	1	2	Birds	3	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19890619	19890619	UNKNOWN	None	None	G5
Nycticorax nycticorax	black-crowned night heron	ABNGA11010	4	22528	17421	3812175	Verona	SUT	T11N, R04E, Sec. 21, SE (M)	20	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19910328	19910328	UNKNOWN	None	None	G5
Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	3	11397	17785	3812164	Rio Linda	SAC	T10N, R05E, Sec. 21, S (M)	65	1	1	Dicots	1	non-specific area	Possibly Extirpated	Natural/Native occurrence	None	N	19970618	19600421	UNKNOWN	None	Endangered	G2
Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	16	11749	7258	3812173	Roseville	PLA	T11N, R06E, Sec. 25, SW (M)	230	2	1	Dicots	1	specific area	Extirpated	Natural/Native occurrence	None	N	19970618	19870422	PVT	None	Endangered	G2
Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	31	23872	5225	3812183	Lincoln	PLA	T12N, R06E, Sec. 04, SW (M)	155	1	1	Dicots	2	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19890420	19890420	PVT	None	Endangered	G2
Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	15	11792	17776	3812172	Rocklin	PLA	T11N, R07E, Sec. 31, NW (M)	290	2	1	Dicots	1	specific area	Extirpated	Natural/Native occurrence	None	N	19870417	19870417	PVT	None	Endangered	G2
Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	96	74381	75373	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 14, NW (M)	88	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20080506	20080506	PVT	None	Endangered	G2
Athene cunicularia	burrowing owl	ABNSB10010	569	51256	51256	3812154	Sacramento East	SAC	T09N, R05E, Sec. 21 (M)	45	1	2	Birds	1	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19010508	19010508	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	129	20689	13167	3812164	Rio Linda	SAC	T10N, R05E, Sec. 19, SW (M)	40	1	2	Birds	1	2/5 mile	Presumed Extant	Natural/Native occurrence	Fair	N	20030505	19930204	PVT	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	122	17367	9705	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 15, NE (M)	20	1	2	Birds	1	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	20030505	19910118	PVT	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	62	11296	19498	3812164	Rio Linda	SAC	T10N, R04E, Sec. 36, N (M)	25	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20120530	20120530	PVT, RECLAMATION DISTRICT 1000	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	797	64672	64751	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 14, SE (M)	10	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20070602	20070602	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	339	42028	42028	3812173	Roseville	PLA	T11N, R05E, Sec. 24 (M)	100	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20030505	19980508	PVT	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1021	70910	71871	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 11, NE (M)	10	3	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20070609	20070609	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1022	70940	71877	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 35, SE (M)	10	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20070104	20070104	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1267	78122	79010	3812164	Rio Linda	SAC	T10N, R04E, Sec. 24, NW (M)	20	3	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20070612	20070612	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1863	86835	87794	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 10, NE (M)	20	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20120817	20120817	PVT	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	841	66102	66181	3812164	Rio Linda	SAC	T09N, R05E, Sec. 07, SE (M)	30	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20070628	20070628	SAC COUNTY FLOOD CONTROL	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1025	70970	71889	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 26 (M)	25	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20060716	20060716	PVT	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	590	51441	51441	3812164	Rio Linda	SAC	T10N, R04E, Sec. 25, NW (M)	15	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20060714	20060714	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1026	70979	71894	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 11, SE (M)	25	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20060614	20060614	NATOMAS BASIN CONS-SILVA	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	149	23672	7320	3812175	Verona	SUT	T11N, R04E, Sec. 27, SW (M)	30	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20030505	19930710	PVT-TENCO CATERPILLAR CO	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	414	46042	46042	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 28, NE (M)	20	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20030505	20010622	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1177	71623	72527	3812173	Roseville	PLA	T12N, R06E, Sec. 31 (M)	110	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20080218	20080218	MOORE RANCH CONSERVANCY	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1181	71650	72551	3812183	Lincoln	PLA	T12N, R06E, Sec. 05 (M)	130	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20080429	20080429	PVT-PLACER LAND TRUST	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	975	69608	70379	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 11, NW (M)	19	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Poor	N	20070629	20070629	PVT-ARCO ARENA	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1186	71688	72588	3812164	Rio Linda	SAC	T09N, R04E, Sec. 13, W (M)	10	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20070620	20070620	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	1268	78126	79014	3812164	Rio Linda	PLA	T10N, R05E, Sec. 07, NE (M)	45	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20070606	20070606	STERLING SILVER STABLES	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	624	51947	51947	3812164	Rio Linda	SAC	T09N, R05E, Sec. 07, NE (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20030725	20030725	UNKNOWN	None	None	G4
Athene cunicularia	burrowing owl	ABNSB10010	813	64898	64977	3812165	Taylor Monument	SAC	T10N, R03E, Sec. 24, SE (M)	20	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20060612	20060612	SAC INTERNATIONAL AIRPORT	None	None	G4
Linderiella occidentalis	California linderiella	ICBRA06010	157	38256	33921	3812173	Roseville	PLA	T11N, R06E, Sec. 30 (M)	120	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19970116	19970116	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	139	34811	8258	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 20 (M)	60	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	19980227	19980227	PVT-ROSEVILLE 150 PARTNERSHIP	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	193	47287	47287	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 26 (M)	90	1	2	Crustaceans	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20010319	20010319	PVT-WILDLANDS INC	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	252	64334	64413	3812164	Rio Linda	PLA	T10N, R05E, Sec. 10 (M)	90	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	2004XXXX	2004XXXX	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	145	34816	5003	3812173	Roseville	PLA	T11N, R06E, Sec. 20, SE (M)	115	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19960429	19960402	PVT-HEWLETT PACKARD	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	199	64299	48405	3812173	Roseville	PLA	T12N, R06E, Sec. 31, NW (M)	110	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20050302	20050302	MOORE RANCH CONSERVANCY	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	184	42742	42742	3812173	Roseville	PLA	T12N, R06E, Sec. 33 (M)	120	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19970212	19970212	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	146	34817	3450	3812173	Roseville	PLA	T12N, R06E, Sec. 29 (M)	125	8	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19980302	19980302	PVT-STERLING PACIFIC ASSETS	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	254	64336	64415	3812164	Rio Linda	PLA	T10N, R05E, Sec. 12 (M)	110	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	2004XXXX	2004XXXX	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	143	34815	29309	3812173	Roseville	PLA	T11N, R06E, Sec. 21, NW (M)	125	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19960429	19960205	PVT-HEWLETT PACKARD	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	150	32516	1882	3812173	Roseville	PLA	T12N, R06E, Sec. 27, NW (M)	140	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19960313	19960209	PVT-PLACER HOLDINGS	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	142	34814	1863	3812173	Roseville	PLA	T11N, R06E, Sec. 16 (M)	100	2	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20050126	20050126	PVT-STANFORD RANCH	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	243	61195	61231	3812183	Lincoln	PLA	T12N, R06E, Sec. 18 (M)	120	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20040426	20040312	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	123	34790	14415	3812164	Rio Linda	SAC	T10N, R04E, Sec. 13, SE (M)	35	1	2	Crustaceans	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19920401	19920401	PVT-UNION PACIFIC RR	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	90	32457	1898	3812173	Roseville	PLA	T11N, R06E, Sec. 29, SE (M)	130	1	2	Crustaceans	2	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19950209	19950209	PVT-SARES REGIS GROUP	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	413	93312	94447	3812175	Verona	SUT	T11N, R04E, Sec. 34 (M)	25	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	248	63530	63623	3812183	Lincoln	PLA	T12N, R06E, Sec. 09, NW (M)	135	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20050110	20050110	PVT-MERITAGE HOMES	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	201	48420	48420	3812173	Roseville	PLA	T11N, R06E, Sec. 31, N (M)	125	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20060109	20060109	CITY OF ROSEVILLE	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	417	93318	94453	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 33, SE (M)	80	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	111	32456	4988	3812173	Roseville	PLA	T11N, R06E, Sec. 32, NW (M)	120	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	19970225	19970225	CITY OF ROSEVILLE	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	253	64335	64414	3812164	Rio Linda	SAC	T09N, R05E, Sec. 09, SW (M)	35	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	2004XXXX	2004XXXX	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	194	47451	47451	3812173	Roseville	PLA	T11N, R06E, Sec. 26 (M)	155	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20050111	20050111	PVT, CITY OF ROSEVILLE	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	57	95401	2088	3812164	Rio Linda	SAC	T09N, R05E, Sec. 03, NW (M)	50	4	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19950316	19950316	DOD-MCCLELLAN AFB	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	249	64329	64408	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 23, SE (M)	96	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20060131	20060131	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	200	48410	48410	3812173	Roseville	PLA	T11N, R06E, Sec. 22, NE (M)	130	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20050121	20050121	CITY OF ROSEVILLE	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	412	93310	94445	3812175	Verona	SUT	T11N, R04E, Sec. 31 (M)	25	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	187	46106	46109	3812173	Roseville	PLA	T11N, R06E, Sec. 20, NW (M)	115	1	2	Crustaceans	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20060109	20060109	CITY OF ROSEVILLE	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	51	32503	30804	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 23, SW (M)	93	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	19950315	19950209	DOD-LINCOLN COMMUNICATIONS FAC	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	250	64330	64409	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 22, NE (M)	90	7	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20060131	20060131	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	390	82419	83442	3812173	Roseville	PLA	T11N, R06E, Sec. 33, NW (M)	130	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19950302	19950206	CITY OF ROSEVILLE	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	416	93316	94452	3812174	Pleasant Grove	PLA	T10N, R05E, Sec. 06 (M)	50	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	414	93313	94450	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 35, SE (M)	35	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	509	B5591	118567	3812183	Lincoln	PLA	T12N, R06E, Sec. 5, NW (M)	127	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19880109	19880109	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	185	42747	42747	3812173	Roseville	PLA	T12N, R06E, Sec. 33, SW (M)	115	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19970212	19970212	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	227	56433	56449	3812173	Roseville	PLA	T11N, R06E, Sec. 23, SW (M)	160	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010220	20010220	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	246	62823	62877	3812173	Roseville	PLA	T11N, R06E, Sec. 27, NE (M)	150	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20050121	20050121	UNKNOWN	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	245	61563	61599	3812164	Rio Linda	SAC	T10N, R04E, Sec. 36, SE (M)	25	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20050130	20050130	CITY OF SACRAMENTO-GRANT HS	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	415	93314	94451	3812174	Pleasant Grove	PLA	T10N, R05E, Sec. 06, NW (M)	45	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	418	93320	94456	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 34, SE (M)	95	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	419	93322	94459	3812174	Pleasant Grove	PLA	T10N, R05E, Sec. 01, N (M)	100	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20061118	20061118	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	257	64342	64421	3812173	Roseville	PLA	T11N, R05E, Sec. 24, SW (M)	95	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20060131	20060131	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	76	32526	1905	3812185	Nicolaus	SUT	T12N, R04E, Sec. 08, SE (M)	34	1	2	Crustaceans	2	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19930315	19930315	CALTRANS	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	53	32505	1889	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 23, SW (M)	91	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19950315	19950209	DOD-LINCOLN COMMUNICATIONS FAC	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	74	32524	2068	3812164	Rio Linda	SAC	T10N, R04E, Sec. 36, NE (M)	20	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19930212	19930212	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	72	26042	2090	3812164	Rio Linda	SAC	T10N, R04E, Sec. 25, NE (M)	30	1	2	Crustaceans	2	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19930212	19930212	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	73	26043	2091	3812164	Rio Linda	SAC	T10N, R04E, Sec. 24, SE (M)	28	1	2	Crustaceans	2	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19930212	19930212	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	75	32525	2006	3812164	Rio Linda	SAC	T10N, R04E, Sec. 36, NE (M)	35	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19930212	19930212	PVT	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	122	34789	14384	3812164	Rio Linda	SAC	T10N, R05E, Sec. 31, N (M)	40	1	2	Crustaceans	2	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19920401	19920401	PVT-UNION PACIFIC RR	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	55	32506	1891	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 22, SE (M)	86	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19950315	19950209	DOD-LINCOLN COMMUNICATIONS FAC	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	52	32504	1890	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 23, SW (M)	92	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19950315	19950315	DOD-LINCOLN COMMUNICATIONS FAC	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	64	32518	2094	3812163	Citrus Heights	SAC	T10N, R06E, Sec. 26, SW (M)	125	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19960527	19960306	PVT-STOCK RANCH	None	None	G2G3
Linderiella occidentalis	California linderiella	ICBRA06010	62	32513	2085	3812164	Rio Linda	SAC	T09N, R05E, Sec. 19, SE (M)	50	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19950316	19950316	DOD-MCCLELLAN AFB	None	None	G2G3
Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	5	90927	29196	3912155	Oroville	BUT	T19N, R04E, Sec. 07 (M)	120	1	2	Fish	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20151003	20151003	PVT, DFG-OROVILLE WA	Threatened	Threatened	G5T1T2Q
Branchinecta conservatio	Conservancy fairy shrimp	ICBRA03010	36	79641	80630	3812184	Sheridan	PLA	T12N, R05E, Sec. 11, NW (M)	100	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20120312	20120312	PVT-WESTERVELT ECOLOGICAL SVCS	Endangered	None	G2
Downingia pusilla	dwarf downingia	PDCAM060C0	64	26039	5228	3812183	Lincoln	PLA	T13N, R05E, Sec. 36, NW (M)	110	1	1	Dicots	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Good	N	19900418	19900418	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	65	26038	5227	3812183	Lincoln	PLA	T12N, R06E, Sec. 06, NE (M)	125	1	1	Dicots	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Poor	N	19910423	19910423	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	33	11696	17398	3812173	Roseville	PLA	T11N, R06E, Sec. 03, SE (M)	145	1	1	Dicots	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Good	N	19850419	19850419	PVT, CALTRANS	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	36	11732	13217	3812173	Roseville	PLA	T11N, R06E, Sec. 26, SE (M)	210	1	1	Dicots	1	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	19970618	19870415	UNKNOWN	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	101	43409	43409	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 23, SW (M)	100	7	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20020501	20020501	PVT	None	None	GU

SNAME	CNAME	ELMCODE	OCCNUMBER	MAPNDX	EONDX	KEYQUAD	KQUADNAME	KEYCOUNTY	PLSS	ELEVATION	PARTS	ELMTYPE	TAXONGROUP	EOCOUNT	ACCURACY	PRESENCE	OCCTYPE	OCCRANK	SENSITIVE	SITEDATE	ELMDATE	OWNERMGT	FEDLIST	CALLIST	GRANK
Downingia pusilla	dwarf downingia	PDCAM060C0	60	26041	5230	3812173	Roseville	PLA	T12N, R06E, Sec. 28, SE (M)	130	2	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19900414	19900414	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	62	26037	5224	3812183	Lincoln	PLA	T12N, R06E, Sec. 09, W (M)	140	2	1	Dicots	1	specific area	Extirpated	Natural/Native occurrence	None	N	19900418	19900418	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	100	43408	43408	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 23, NW (M)	90	3	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20000412	20000412	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	98	43406	43406	3812173	Roseville	PLA	T11N, R05E, Sec. 24, NW (M)	90	3	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20000412	20000412	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	37	11676	17396	3812173	Roseville	PLA	T11N, R06E, Sec. 22 (M)	135	3	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20130401	20130401	PVT, CITY OF ROSEVILLE	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	110	50379	50379	3812173	Roseville	PLA	T12N, R06E, Sec. 32, NE (M)	118	1	1	Dicots	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20020503	20020503	PVT-WILDLANDS INC	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	61	26040	1727	3812184	Sheridan	PLA	T12N, R05E, Sec. 23, NW (M)	93	1	1	Dicots	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	1995XXXX	1995XXXX	DOD-USAF	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	127	70823	71736	3812164	Rio Linda	PLA	T10N, R05E, Sec. 09, SE (M)	60	1	1	Dicots	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20060503	20060503	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	58	26042	5243	3812164	Rio Linda	SAC	T10N, R04E, Sec. 25, NE (M)	30	1	1	Dicots	2	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19970618	19930422	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	59	26043	5242	3812164	Rio Linda	SAC	T10N, R04E, Sec. 24, SE (M)	28	1	1	Dicots	2	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19970618	19930512	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	32	26044	5241	3812164	Rio Linda	SAC	T10N, R05E, Sec. 19, NW (M)	35	1	1	Dicots	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19940404	19940404	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	57	26045	5240	3812164	Rio Linda	SAC	T10N, R05E, Sec. 22, NE (M)	75	1	1	Dicots	1	80 meters	Extirpated	Natural/Native occurrence	None	N	19970618	19910526	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	63	23872	5226	3812183	Lincoln	PLA	T12N, R06E, Sec. 04, SW (M)	155	1	1	Dicots	2	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19890420	19890420	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	99	43407	43407	3812173	Roseville	PLA	T11N, R05E, Sec. 24, SW (M)	100	2	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20000412	20000412	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	131	83692	84720	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 14, SE (M)	80	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20060428	20060428	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	142	B0120	111979	3812173	Roseville	PLA	T11N, R06E, Sec. 32, NW (M)	125	3	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20130401	20130401	CITY OF ROSEVILLE	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	97	43402	43402	3812173	Roseville	PLA	T11N, R05E, Sec. 24, NE (M)	95	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20000412	20000412	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	141	B0119	111978	3812173	Roseville	PLA	T11N, R06E, Sec. 33, NW (M)	135	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20140519	20140519	CITY OF ROSEVILLE	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	132	83693	84721	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 14, SE (M)	80	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20060428	20060428	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	130	83688	84716	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 14, NE (M)	80	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20060428	20060428	PVT	None	None	GU
Downingia pusilla	dwarf downingia	PDCAM060C0	140	B0117	111976	3812173	Roseville	PLA	T11N, R06E, Sec. 27, NE (M)	160	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20100429	20100429	CITY OF ROSEVILLE	None	None	GU
Thamnophis gigas	giant gartersnake	ARADB36150	88	21510	18146	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 15 (M)	18	20	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20160921	20160921	NATOMAS BASIN CONSERVANCY, PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	163	47317	47317	3812175	Verona	SUT	T11N, R04E, Sec. 18 (M)	20	12	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20160907	20160907	PVT, NATOMAS BASIN CONSERVANCY	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	11	11172	14771	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 9, W (M)	18	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20160911	20160911	NATOMAS BASIN CONSERVANCY, PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	10	11083	27601	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 32 (M)	15	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20060528	20060528	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	188	61204	61240	3812175	Verona	SUT	T11N, R04E, Sec. 30, SW (M)	20	6	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20160909	20160909	NATOMAS BASIN CONS, RD 1000	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	189	61205	61241	3812175	Verona	SUT	T11N, R04E, Sec. 30, E (M)	20	3	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20160710	20160710	NATOMAS BASIN CONS, RD 1000	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	319	93252	94386	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 28 (M)	23	6	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20060704	20060704	UNKNOWN, PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	260	76944	77893	3812175	Verona	SUT	T11N, R04E, Sec. 31 (M)	30	4	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20160822	20160822	NATOMAS BASIN CONS, RD 1000	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	166	47320	47320	3812175	Verona	SUT	T12N, R04E, Sec. 31, W (M)	20	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20110727	20110727	RECLAMATION DISTRICT 1001	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	86	21513	18143	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 27 (M)	20	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20000801	20000801	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	246	64679	64758	3812185	Nicolaus	SUT	T12N, R04E, Sec. 08, W (M)	30	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1989XXXX	1989XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	72	11199	27555	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 09, NE (M)	17	1	2	Reptiles	1	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	19860625	19860625	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	119	32415	7893	3812175	Verona	SUT	T11N, R04E, Sec. 20, S (M)	20	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1987XXXX	1987XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	64	11059	27566	3812165	Taylor Monument	SAC	T10N, R03E, Sec. 13, SE (M)	20	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Excellent	N	19860428	19860428	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	66	11091	27562	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 19, NE (M)	20	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Excellent	N	19860415	19860415	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	68	11112	27560	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 20, SW (M)	20	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Excellent	N	19860511	19860511	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	128	32424	8487	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 20, NW (M)	15	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1987XXXX	1987XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	70	11186	27558	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 04, NE (M)	20	1	2	Reptiles	1	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	19860325	19860325	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	60	11203	27572	3812175	Verona	SUT	T11N, R04E, Sec. 20, SE (M)	20	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Good	N	1988XXXX	1988XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	59	11235	27573	3812175	Verona	SUT	T11N, R04E, Sec. 09, NE (M)	30	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19860525	19860525	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	124	32420	8488	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 23, SW (M)	20	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1987XXXX	1987XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	129	32425	9262	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 10, NE (M)	20	1	2	Reptiles	1	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	1987XXXX	1987XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	121	32417	7895	3812165	Taylor Monument	SUT	T10N, R04E, Sec. 02, SW (M)	23	1	2	Reptiles	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1987XXXX	1987XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	74	11274	27552	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 11, NE (M)	10	1	2	Reptiles	1	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	19860430	19860430	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	75	11276	27551	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 14, SE (M)	10	1	2	Reptiles	1	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	19860430	19860430	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	262	76958	77898	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 17, NE (M)	25	3	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	201609XX	20150717	PVT-NATOMAS MUTUAL WATER	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	63	11064	27567	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 18, NW (M)	22	4	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20120522	20120522	SAC INTERNATIONAL AIRPORT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	167	47321	47321	3812175	Verona	SUT	T12N, R03E, Sec. 35, E (M)	20	3	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20120716	20120716	RECLAMATION DISTRICT 1001	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	176	51930	51930	3812175	Verona	SUT	T11N, R04E, Sec. 06, W (M)	25	3	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20120708	20120708	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	18	11183	27594	3812175	Verona	SUT	T10N, R04E, Sec. 04, SE (M)	20	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20080707	20080707	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	317	93248	94383	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 29, E (M)	20	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20000730	20000730	UNKNOWN, PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	257	76905	77853	3812175	Verona	SUT	T11N, R04E, Sec. 19, W (M)	27	4	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	201609XX	20150719	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	65	11108	27563	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 17, E (M)	25	4	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20070519	20070519	PVT-NATOMAS MUTUAL WATER CO	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	165	47319	47319	3812175	Verona	SUT	T11N, R03E, Sec. 12, S (M)	20	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20120718	20120718	PVT, RECLAMATION DISTRICT 1001	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	67	11271	27561	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 26, SE (M)	15	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19990617	19990617	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	209	61792	61828	3812175	Verona	SUT	T11N, R04E, Sec. 20, SW (M)	20	3	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	201609XX	20110703	NATOMAS BASIN CONSERVANCY	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	256	76904	77852	3812175	Verona	SUT	T11N, R04E, Sec. 19 (M)	20	4	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20100914	20100914	PVT-NATOMAS MUTUAL WATER CO	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	62	11113	27568	3812165	Taylor Monument	SUT	T10N, R04E, Sec. 07, NW (M)	20	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20100917	20100917	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	201	61721	61757	3812165	Taylor Monument	SUT	T10N, R04E, Sec. 07, NE (M)	20	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	201609XX	20150729	NATOMAS BASIN CONS, RD 1000	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	240	64534	64613	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 10 (M)	17	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19991004	19991004	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	174	51879	51879	3812175	Verona	SUT	T11N, R04E, Sec. 06, E (M)	25	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20120616	20120616	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	69	11148	27559	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 33 (M)	15	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20060901	20060901	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	263	76959	77899	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 21 (M)	20	4	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20100623	20100623	NATOMAS BASIN CONSERVANCY	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	264	76973	77912	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 23, SE (M)	15	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20060525	20060525	PVT-NATOMAS MUTUAL WATER CO	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	318	93250	94384	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 20, SE (M)	23	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20030709	20030709	UNKNOWN, PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	265	76974	77913	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 05, E (M)	15	4	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	201609XX	20090809	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	73	11265	27554	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 11, NE (M)	11	1	2	Reptiles	1	non-specific area	Possibly Extirpated	Natural/Native occurrence	None	N	19980626	19980626	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	162	47316	47316	3812175	Verona	SUT	T12N, R03E, Sec. 36, NW (M)	25	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20040714	20040714	PVT, RECLAMATION DISTRICT 1001	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	173	51867	51867	3812175	Verona	SUT	T12N, R04E, Sec. 30, NE (M)	30	1	2	Reptiles	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Good	N	20030906	20020810	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	175	51880	51880	3812175	Verona	SUT	T11N, R03E, Sec. 02 (M)	20	1	2	Reptiles	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Good	N	20020922	20020922	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	258	76907	77858	3812175	Verona	SUT	T11N, R04E, Sec. 20, SE (M)	20	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20100529	20100529	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	237	64527	64606	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 28, NE (M)	22	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20030806	20030806	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	316	93230	94370	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 08 (M)	25	2	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20100621	20100621	PVT-NATOMAS MUTUAL WATER CO	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	327	93350	94492	3812175	Verona	SUT	T11N, R04E, Sec. 05, NW (M)	25	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20120707	20120707	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	178	52028	52028	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 07, SE (M)	15	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20080704	20080704	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	230	62187	62223	3812175	Verona	SUT	T11N, R04E, Sec. 8, NW (M)	23	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20050730	20050730	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	325	93345	94488	3812175	Verona	SUT	T11N, R04E, Sec. 07, NE (M)	28	1	2	Reptiles	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20120713	20120713	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	61	11147	27571	3812175	Verona	SUT	T10N, R04E, Sec. 5, NE (M)	19	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20170315	20170315	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	423	A6773	108543	3812175	Verona	SUT	T11N, R04E, Sec. 6, NW (M)	23	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20030710	20030710	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	145	36594	31591	3812164	Rio Linda	SAC	T10N, R04E, Sec. 36, NW (M)	15	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19960927	19960927	PVT, SAC COUNTY	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	211	61819	61855	3812165	Taylor Monument	SUT	T10N, R04E, Sec. 04 (M)	20	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19980518	19980518	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	210	61817	61853	3812175	Verona	SUT	T11N, R04E, Sec. 32 (M)	18	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19990827	19990827	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	212	61821	61857	3812165	Taylor Monument	SUT	T10N, R04E, Sec. 11 (M)	20	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19980430	19980430	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	261	76957	77897	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 17 (M)	25	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Poor	N	20060429	20060429	SAC COUNTY, UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	255	76889	77844	3812175	Verona	SUT	T11N, R04E, Sec. 07, W (M)	20	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20080729	20080729	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	239	64531	64610	3812164	Rio Linda	SAC	T10N, R04E, Sec. 24, NW (M)	15	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20030724	19980602	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	200	61719	61755	3812185	Nicolaus	SUT	T12N, R04E, Sec. 19, NW (M)	25	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20040708	20040708	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	315	93225	94366	3812164	Rio Linda	SAC	T10N, R04E, Sec. 13, NE (M)	30	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Poor	N	20100929	20100929	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	326	93348	94490	3812175	Verona	SUT	T11N, R04E, Sec. 08, NW (M)	23	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20110910	20110910	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	328	93380	94516	3812175	Verona	SUT	T12N, R03E, Sec. 25, SW (M)	26	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20110726	20110726	PVT	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	177	51931	51931	3812175	Verona	SUT	T11N, R03E, Sec. 01, E (M)	25	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010920	20010920	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	259	76908	77861	3812175	Verona	SUT	T11N, R04E, Sec. 21, NE (M)	30	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20051009	20051009	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	236	64525	64604	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 03, NW (M)	30	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19980708	19980708	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	85	21511	18144	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 27, NW (M)	20	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19880521	19880521	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	87	21512	18150	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 27, NE (M)	20	1	2	Reptiles	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	1992XXXX	1992XXXX	UNKNOWN	Threatened	Threatened	G2
Thamnophis gigas	giant gartersnake	ARADB36150	89	21514	18147	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 35, SE (M)	10	1	2	Reptiles	1	80 meters	Possibly Extirpated	Natural/Native occurrence	None	N	19900926	19900926	PVT	Threatened	Threatened	G2
Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	8	69480	70259	3812173	Roseville	PLA	T12N, R06E, Sec. 27, NE (M)	155	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19980508	19980508	UNKNOWN	None	None	G5

CNDDB 10 Miles
December 2021

SNAME	CNAME	ELMCODE	OCCNUMBER	MAPNDX	EONDX	KEYQUAD	KQUADNAME	KEYCOUNTY	PLSS	ELEVATION	PARTS	ELMTYPE	TAXONGROUP	EOCOUNT	ACCURACY	PRESENCE	OCCTYPE	OCCRANK	SENSITIVE	SITEDATE	ELMDATE	OWNERMGT	FEDLIST	CALLIST	GRANK
Ardea herodias	great blue heron	ABNGA04010	16	11341	25961	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, NW (M)	30	1	2	Birds	2	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20020404	20020404	CITY OF SACRAMENTO	None	None	G5
Ardea herodias	great blue heron	ABNGA04010	71	54474	54474	3812164	Rio Linda	SAC	T09N, R05E, Sec. 05, SE (M)	35	1	2	Birds	2	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	2002XXXX	20010411	SAC AREA FLOOD CONTROL AGENCY	None	None	G5
Ardea herodias	great blue heron	ABNGA04010	72	54478	54478	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, SW (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20020404	20020404	CITY OF SACRAMENTO	None	None	G5
Ardea alba	great egret	ABNGA04040	17	17136	9707	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 18, SW (M)	15	1	2	Birds	3	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19890619	19890619	UNKNOWN	None	None	G5
Ardea alba	great egret	ABNGA04040	9	11341	25940	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, NW (M)	30	1	2	Birds	2	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20020404	20020404	CITY OF SACRAMENTO	None	None	G5
Ardea alba	great egret	ABNGA04040	29	54474	54475	3812164	Rio Linda	SAC	T09N, R05E, Sec. 05, SE (M)	35	1	2	Birds	2	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	2002XXXX	20010411	SAC AREA FLOOD CONTROL AGENCY	None	None	G5
Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	82	25924	19475	3812176	Knights Landing	SUT	T11N, R03E, Sec. 27 (M)	25	1	3	Riparian	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	1987XXXX	1987XXXX	UNKNOWN	None	None	G2
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	PDSCR0J0D1	11	11763	17846	3812173	Roseville	PLA	T11N, R06E, Sec. 12, SW (M)	150	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	19970618	19970618	PVT	None	None	G2T1
Legenere limosa	legenere	PDCAM0C010	14	11739	17380	3812173	Roseville	PLA	T11N, R06E, Sec. 11, SE (M)	150	1	1	Dicots	1	1/5 mile	Extirpated	Natural/Native occurrence	None	N	19970618	19840405	PVT	None	None	G2
Legenere limosa	legenere	PDCAM0C010	11	11680	28357	3812173	Roseville	PLA	T11N, R06E, Sec. 10, SW (M)	120	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19970618	198404XX	PVT	None	None	G2
Legenere limosa	legenere	PDCAM0C010	58	48978	48978	3812173	Roseville	PLA	T12N, R06E, Sec. 32, NE (M)	118	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20020503	20020503	PVT-WILDLANDS INC	None	None	G2
Legenere limosa	legenere	PDCAM0C010	33	30203	16909	3812164	Rio Linda	SAC	T09N, R05E, Sec. 10, NE (M)	35	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	19970618	19910511	PVT	None	None	G2
Legenere limosa	legenere	PDCAM0C010	32	30202	12128	3812164	Rio Linda	SAC	T10N, R05E, Sec. 22, NE (M)	75	1	1	Dicots	1	80 meters	Extirpated	Natural/Native occurrence	None	N	19970618	19910526	PVT	None	None	G2
Legenere limosa	legenere	PDCAM0C010	84	A7923	109709	3812173	Roseville	PLA	T12N, R06E, Sec. 28, SW (M)	130	2	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20140522	20140522	PVT	None	None	G2
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	CTT44120CA	30	11332	26284	3812164	Rio Linda	SAC	T09N, R05E, Sec. 05, NW (M)	35	1	3	Herbaceous	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19840413	19830413	UNKNOWN	None	None	G1
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	23	11651	16254	3812173	Roseville	PLA	T12N, R06E, Sec. 33, NW (M)	125	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1980XXXX	1980XXXX	UNKNOWN	None	None	G3
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	79	11427	21462	3812164	Rio Linda	SAC	T09N, R05E, Sec. 19, NE (M)	50	1	3	Herbaceous	2	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1983XXXX	1983XXXX	PVT	None	None	G3
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	66	11800	16249	3812162	Folsom	PLA	T10N, R07E, Sec. 08, NW (M)	230	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1982XXXX	1982XXXX	UNKNOWN	None	None	G3
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	67	11713	16248	3812173	Roseville	PLA	T11N, R06E, Sec. 26, SW (M)	180	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1982XXXX	1982XXXX	PVT-ROSEVILLE PROPERTIES	None	None	G3
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	78	11433	26870	3812164	Rio Linda	SAC	T10N, R05E, Sec. 22, W (M)	70	1	3	Herbaceous	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1983XXXX	1983XXXX	PVT	None	None	G3
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	24	11653	28050	3812183	Lincoln	PLA	T12N, R06E, Sec. 09, SE (M)	145	1	3	Herbaceous	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	197605XX	197605XX	UNKNOWN	None	None	G3
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	68	11613	16247	3812173	Roseville	PLA	T11N, R06E, Sec. 20, S (M)	110	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1982XXXX	1982XXXX	UNKNOWN	None	None	G3
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	1	11782	16218	3812173	Roseville	PLA	T10N, R07E, Sec. 06 (M)	240	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1982XXXX	1982XXXX	UNKNOWN	None	None	G1
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	4	11746	16214	3812173	Roseville	PLA	T11N, R06E, Sec. 25, NW (M)	225	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19870422	19870422	UNKNOWN	None	None	G1
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	2	11828	16215	3812172	Rocklin	PLA	T11N, R07E, Sec. 32, NW (M)	400	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19860414	19860414	UNKNOWN	None	None	G1
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	3	11798	13419	3812172	Rocklin	PLA	T11N, R07E, Sec. 30, S (M)	280	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1982XXXX	1982XXXX	UNKNOWN	None	None	G1
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	5	11695	16213	3812173	Roseville	PLA	T11N, R06E, Sec. 27, NE (M)	165	1	3	Herbaceous	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1982XXXX	1982XXXX	UNKNOWN	None	None	G1
Antrozous pallidus	pallid bat	AMACC10010	425	A0858	102419	3812184	Sheridan	PLA	T13N, R05E, Sec. 36, SW (M)	92	1	2	Mammals	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20151015	20151015	PLA COUNTY	None	None	G4
Navarretia myersii ssp. myersii	pincushion navarretia	PDPLM0C0X1	12	30665	47154	3812183	Lincoln	PLA	T12N, R06E, Sec. 15 (M)	160	1	1	Dicots	3	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19710409	19710409	UNKNOWN	None	None	G2T2
Progne subis	purple martin	ABPAU01010	11	48738	48738	3812164	Rio Linda	SAC	T09N, R05E, Sec. 14, NW (M)	50	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Fair	N	20070311	20070311	CALTRANS	None	None	G5
Progne subis	purple martin	ABPAU01010	27	70377	71268	3812173	Roseville	PLA	T11N, R06E, Sec. 25, SE (M)	216	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20070523	20070523	CALTRANS, UNION PACIFIC ROW	None	None	G5
Progne subis	purple martin	ABPAU01010	17	54694	54694	3812154	Sacramento East	SAC	T09N, R05E, Sec. 22, NW (M)	50	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	2003XXXX	2003XXXX	UNKNOWN	None	None	G5
Progne subis	purple martin	ABPAU01010	18	54696	54696	3812154	Sacramento East	SAC	T09N, R05E, Sec. 28, NE (M)	45	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	2003XXXX	2003XXXX	UNKNOWN	None	None	G5
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	PMJUN011L2	10	11642	22188	3812173	Roseville	PLA	T11N, R06E, Sec. 16, NE (M)	110	1	1	Monocots	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19970618	19820428	PVT	None	None	G2T2
Hydrochara rickseckeri	Ricksecker's water scavenger beetle	IICOL5V010	11	60753	60789	3812173	Roseville	PLA	T12N, R06E, Sec. 27 (M)	140	1	2	Insects	1	4/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	XXXXXXXX	XXXXXXXX	UNKNOWN	None	None	G2?
Pogonichthys macrolepidotus	Sacramento splittail	AFCJB34020	1	24986	881	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 20 (M)	20	1	2	Fish	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	19950226	19950226	PVT, STATE	None	None	GNR
Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	72	73343	74310	3812164	Rio Linda	SAC	T10N, R05E, Sec. 23, NE (M)	70	1	1	Monocots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20010510	20010510	SAC COUNTY, PVT	None	None	G3
Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	50	37757	32764	3812163	Citrus Heights	SAC	T10N, R07E, Sec. 19, SE (M)	180	1	1	Monocots	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19940721	19940721	SAC COUNTY-PUBLIC WORKS	None	None	G3
Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	97	89327	90321	3812154	Sacramento East	SAC	T09N, R05E, Sec. 20, N (M)	20	2	1	Monocots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20111019	20111019	CITY OF SACRAMENTO, UNKNOWN	None	None	G3
Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	46	30124	5004	3812163	Citrus Heights	SAC	T10N, R06E, Sec. 15, SW (M)	150	1	1	Monocots	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	19970618	19970618	UNKNOWN	None	None	G3
Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	49	37753	32760	3812163	Citrus Heights	SAC	T10N, R06E, Sec. 15, NW (M)	150	1	1	Monocots	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19970618	19970618	UNKNOWN	None	None	G3
Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	73	73344	74311	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, NE (M)	30	1	1	Monocots	1	specific area	Possibly Extirpated	Natural/Native occurrence	None	N	20080701	20060723	SAC AREA FLOOD CONTROL AGENCY	None	None	G3
Egretta thula	snowy egret	ABNGA06030	3	17136	9706	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 18, SW (M)	15	1	2	Birds	3	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	19890619	19890619	UNKNOWN	None	None	G5
Melospiza melodia	song sparrow ("Modesto" population)	ABPBXA3010	83	90034	91047	3812154	Sacramento East	SAC	T08N, R04E, Sec. 01 (M)	20	1	2	Birds	3	5 miles	Presumed Extant	Natural/Native occurrence	Unknown	N	19000609	19000609	UNKNOWN	None	None	G5
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	28	91655	92726	3812176	Knights Landing	YOL	T11N, R02E, Sec. 13 (M)	0	1	2	Fish	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20120510	20120510	UNKNOWN	Threatened	None	G5T2Q
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	1	90927	91971	3912155	Oroville	BUT	T19N, R04E, Sec. 07 (M)	0	1	2	Fish	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	2012XXXX	2012XXXX	UNKNOWN, DWR, DFG	Threatened	None	G5T2Q
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	3	90973	92020	3812173	Roseville	PLA	T11N, R06E, Sec. 36 (M)	0	1	2	Fish	1	non-specific area	Presumed Extant	Natural/Native occurrence	Poor	N	2007XXXX	2007XXXX	UNKNOWN	Threatened	None	G5T2Q
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	4	90980	92029	3812183	Lincoln	PLA	T12N, R06E, Sec. 12 (M)	0	1	2	Fish	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	2007XXXX	2007XXXX	UNKNOWN	Threatened	None	G5T2Q
Fritillaria agrestis	stinkbells	PMLIL0V010	10	20978	9239	3812164	Rio Linda	SAC	T09N, R05E, Sec. 10, NE (M)	40	1	1	Monocots	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	19970618	19910318	PVT	None	None	G3
Fritillaria agrestis	stinkbells	PMLIL0V010	9	20979	9238	3812164	Rio Linda	SAC	T09N, R05E, Sec. 10, NW (M)	40	1	1	Monocots	1	80 meters	Possibly Extirpated	Natural/Native occurrence	None	N	19970618	19940316	PVT?	None	None	G3
Fritillaria agrestis	stinkbells	PMLIL0V010	12	20958	9075	3812163	Citrus Heights	PLA	T10N, R06E, Sec. 16, NW (M)	130	1	1	Monocots	1	80 meters	Possibly Extirpated	Natural/Native occurrence	None	N	19970618	19790322	UNKNOWN	None	None	G3
Fritillaria agrestis	stinkbells	PMLIL0V010	11	21173	9151	3812163	Citrus Heights	SAC	T09N, R06E, Sec. 09, NE (M)	120	1	1	Monocots	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	19900325	19900325	PVT?	None	None	G3
Buteo swainsoni	Swainson's hawk	ABNKC19070	201	11035	7611	3812175	Verona	YOL	T11N, R03E, Sec. 36 (M)	27	9	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20160614	20160614	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	132	11038	27935	3812165	Taylor Monument	SAC	T10N, R03E, Sec. 12 (M)	20	3	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20030711	20030711	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2201	88536	89548	3812164	Rio Linda	PLA	T10N, R05E, Sec. 11, E (M)	90	2	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20030719	20030719	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	547	23191	7625	3812185	Nicolaus	SUT	T12N, R03E, Sec. 13, SW (M)	30	3	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	201007XX	201007XX	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	513	23562	7532	3812165	Taylor Monument	SAC	T10N, R03E, Sec. 13, SW (M)	20	2	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20030711	20030711	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2125	88329	89340	3812175	Verona	YOL	T11N, R03E, Sec. 23, SE (M)	25	2	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	2007XXXX	2007XXXX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2121	88307	89318	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 30, SW (M)	45	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Excellent	N	2010XXXX	2010XXXX	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	23	10995	16765	3812175	Verona	SUT	T11N, R03E, Sec. 22, SE (M)	20	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19940721	19940721	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	596	23956	16772	3812175	Verona	SUT	T11N, R04E, Sec. 04, SE (M)	30	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20100710	20100710	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1496	62729	62766	3812175	Verona	SUT	T11N, R04E, Sec. 04, SW (M)	20	3	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	201007XX	201007XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1504	62770	62824	3812175	Verona	SUT	T12N, R04E, Sec. 29, SE (M)	30	3	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	201007XX	201007XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1488	62638	62675	3812185	Nicolaus	SUT	T12N, R03E, Sec. 24, NW (M)	30	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20040709	20040709	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1658	66271	66353	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 05, NE (M)	15	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20110626	20110626	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1570	63150	63242	3812185	Nicolaus	SUT	T12N, R03E, Sec. 13, SE (M)	25	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	201007XX	201007XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1572	63152	63244	3812175	Verona	SUT	T11N, R04E, Sec. 05, NE (M)	30	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	201007XX	201007XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2110	88284	89296	3812185	Nicolaus	SUT	T12N, R04E, Sec. 19, NW (M)	25	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	201007XX	201007XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2708	A2932	104551	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 32, NE (M)	20	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20160512	20160512	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	392	23631	23766	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 09, NW (M)	15	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19940612	19940612	RECLAMATION DISTRICT 1000	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1030	50776	50776	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 32, SW (M)	12	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20010427	20010427	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	808	42828	42828	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 03, SE (M)	25	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20000420	20000420	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1257	52146	52146	3812165	Taylor Monument	SAC	T09N, R04E, Sec. 14, SW (M)	10	1	2	Birds	1	80 meters	Possibly Extirpated	Natural/Native occurrence	None	N	20030630	20030630	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2202	88537	89549	3812164	Rio Linda	PLA	T10N, R05E, Sec. 11, NW (M)	95	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20030719	20030719	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1501	62753	62790	3812175	Verona	SUT	T11N, R04E, Sec. 18, NE (M)	20	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040609	20040609	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2120	88305	89316	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 29, NW (M)	50	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20130624	20130624	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1503	62755	62792	3812175	Verona	SUT	T12N, R04E, Sec. 34, SW (M)	25	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040709	20040709	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2109	88283	89295	3812185	Nicolaus	SUT	T12N, R04E, Sec. 11, NW (M)	50	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010627	20010529	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2112	88287	89298	3812184	Sheridan	PLA	T12N, R05E, Sec. 02, NW (M)	95	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20120424	20120424	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2115	88290	89301	3812173	Roseville	PLA	T11N, R06E, Sec. 17, NW (M)	100	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20090428	20090428	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2116	88293	89304	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 05, NW (M)	55	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20120716	20120716	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2117	88294	89305	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 12, N (M)	45	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20090819	20090819	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2118	88296	89307	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 14, NE (M)	40	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010503	20010503	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2119	88299	89309	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 23, SW (M)	35	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20100419	20100419	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2122	88321	89331	3812175	Verona	SUT	T12N, R04E, Sec. 32, NE (M)	35	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	201007XX	201007XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2123	88326	89337	3812175	Verona	SUT	T12N, R04E, Sec. 30, NW (M)	25	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040709	20040709	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2124	88327	89338	3812175	Verona	SUT	T12N, R03E, Sec. 24, SW (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040709	20040709	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1487	62634	62671	3812164	Rio Linda	PLA	T10N, R05E, Sec. 07, NE (M)	55	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010702	20010702	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1510	62829	62883	3812185	Nicolaus	SUT	T12N, R04E, Sec. 17 (M)	35	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040706	20040512	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1629	64685	64764	3812164	Rio Linda	SAC	T10N, R04E, Sec. 36, SW (M)	18	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20020718	20020718	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1494	62726	62763	3812175	Verona	SUT	T11N, R04E, Sec. 10, SW (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	201007XX	201007XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1485	62632	62669	3812183	Lincoln	PLA	T12N, R06E, Sec. 09, SW (M)	145	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20030701	20030701	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2200	88534	89546	3812164	Rio Linda	SUT	T10N, R04E, Sec. 01, E (M)	40	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20100710	20100710	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1551	63003	63076	3812175	Verona	SUT	T11N, R03E, Sec. 15 (M)	27	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20020418	20020418	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	2666	90758	91837	3812185	Nicolaus	SUT	T12N, R04E, Sec. 18, SW (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040624	20040624	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1563	63088	63161	3812185	Nicolaus	SUT	T12N, R04E, Sec. 18 (M)	32	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040609	20040609	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1566	63094	63167	3812185	Nicolaus	SUT	T12N, R04E, Sec. 07 (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040610	20040610	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1482	62610	62647	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 32, SE (M)	70	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010723	20010709	UNKNOWN	None	Threatened	G5

CNDDB 10 Miles

December 2021

SNAME	CNAME	ELMCODE	OCCNUMBER	MAPNDX	EONDX	KEYQUAD	KQUADNAME	KEYCOUNTY	PLSS	ELEVATION	PARTS	ELMTYPE	TAXONGROUP	EOCOUNT	ACCURACY	PRESENCE	OCCTYPE	OCCRANK	SENSITIVE	SITEDATE	ELMDATE	OWNERMGT	FEDLIST	CALLIST	GRANK
Buteo swainsoni	Swainson's hawk	ABNKC19070	1483	62612	62649	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 20, SW (M)	60	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010723	20010723	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1588	63291	63383	3812185	Nicolaus	SUT	T12N, R04E, Sec. 04, SW (M)	45	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040706	20040706	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1484	62615	62652	3812173	Roseville	PLA	T12N, R05E, Sec. 25, NW (M)	50	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010702	20010702	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1500	62752	62789	3812175	Verona	SUT	T11N, R04E, Sec. 18, SW (M)	20	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040618	20040618	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	791	42026	42026	3812173	Roseville	PLA	T11N, R06E, Sec. 30, SE (M)	125	1	2	Birds	1	80 meters	Possibly Extirpated	Natural/Native occurrence	None	N	20010529	19960701	CITY OF ROSEVILLE, UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1018	50708	50708	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, SE (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20020715	20020715	CITY OF SACRAMENTO	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1015	50702	50702	3812164	Rio Linda	SAC	T09N, R05E, Sec. 05, NE (M)	35	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20020701	20020701	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1017	50706	50706	3812164	Rio Linda	SAC	T10N, R05E, Sec. 32, SW (M)	40	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20020711	20020711	SAC COUNTY FLOOD CONTROL	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1016	50704	50704	3812164	Rio Linda	SAC	T10N, R05E, Sec. 32, SE (M)	40	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20020711	20020711	PVT	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1026	50761	50761	3812185	Nicolaus	SUT	T12N, R03E, Sec. 13 (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19970618	19970618	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	952	46025	46025	3812173	Roseville	PLA	T11N, R06E, Sec. 19, N (M)	110	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20010627	200106XX	UNKNOWN	None	Threatened	G5
Buteo swainsoni	Swainson's hawk	ABNKC19070	1495	62727	62764	3812175	Verona	SUT	T11N, R04E, Sec. 08, SW (M)	15	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20040618	20040618	UNKNOWN	None	Threatened	G5
Agelaius tricolor	tricolored blackbird	ABPBXB0020	113	11032	24713	3812175	Verona	SUT	T11N, R03E, Sec. 22 (M)	20	1	2	Birds	1	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20140419	19360525	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	121	10982	11813	3812176	Knights Landing	YOL	T11N, R03E, Sec. 22 (M)	25	1	2	Birds	1	1 mile	Extirpated	Natural/Native occurrence	None	N	19350618	19350618	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	583	30665	98106	3812183	Lincoln	PLA	T12N, R06E, Sec. 15 (M)	165	1	2	Birds	3	1 mile	Possibly Extirpated	Natural/Native occurrence	None	N	20150417	19360526	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	202	21578	17765	3812165	Taylor Monument	SAC	T10N, R04E, Sec. 35 (M)	26	1	2	Birds	1	4/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	19920618	19920618	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	494	95903	97047	3812164	Rio Linda	SAC	T09N, R05E, Sec. 03 (M)	50	1	2	Birds	1	3/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20140420	19980518	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	302	30630	4275	3812164	Rio Linda	SAC	T10N, R04E, Sec. 12, SE (M)	24	1	2	Birds	1	2/5 mile	Presumed Extant	Natural/Native occurrence	Excellent	N	20140420	20000504	NATOMAS BASIN CONSERVANCY	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	517	96299	97465	3812175	Verona	SUT	T11N, R04E, Sec. 31 (M)	25	1	2	Birds	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20110416	19920622	NATOMAS BASIN CONSERVANCY, PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	907	A1220	102787	3812173	Roseville	PLA	T12N, R06E, Sec. 35, NE (M)	244	1	2	Birds	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19950421	1994XXXX	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	1000	A2482	104082	3812184	Sheridan	PLA	T12N, R05E, Sec. 18, W (M)	57	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20150613	20150613	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	937	B1321	113229	3812173	Roseville	PLA	T12N, R06E, Sec. 29, SW (M)	102	3	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20170523	20170523	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	579	96865	98087	3812173	Roseville	PLA	T12N, R06E, Sec. 27 (M)	140	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20150417	20110419	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	586	96899	98124	3812184	Sheridan	PLA	T12N, R05E, Sec. 17, SW (M)	70	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20150417	20050603	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	585	96890	98115	3812184	Sheridan	PLA	T12N, R05E, Sec. 17, NW (M)	70	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20150417	20000504	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	584	96884	98112	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 10, NW (M)	70	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20150416	20140419	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	578	96863	98084	3812183	Lincoln	PLA	T12N, R06E, Sec. 04, SW (M)	145	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20140418	20080425	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	621	98540	99985	3812183	Lincoln	PLA	T12N, R06E, Sec. 05, N (M)	130	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Excellent	N	20100519	20100519	PVT-PLACER LAND TRUST	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	242	23971	4277	3812173	Roseville	PLA	T12N, R06E, Sec. 28, SW (M)	125	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20150410	20000422	UNKNOWN	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	581	96873	98096	3812173	Roseville	PLA	T12N, R06E, Sec. 33, NE (M)	121	1	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20150417	20150410	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	929	A1684	103277	3812173	Roseville	PLA	T12N, R06E, Sec. 27, N (M)	143	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20150417	20080425	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	580	96871	98094	3812173	Roseville	PLA	T12N, R06E, Sec. 34, NW (M)	130	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20150417	20110416	PVT	None	Threatened	G1G2
Agelaius tricolor	tricolored blackbird	ABPBXB0020	582	96876	98101	3812173	Roseville	PLA	T12N, R06E, Sec. 20, SE (M)	125	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20150417	20150417	UNKNOWN	None	Threatened	G1G2
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	270	95167	96300	3812172	Rocklin	PLA	T11N, R07E, Sec. 29 (M)	330	1	2	Insects	1	specific area	Possibly Extirpated	Natural/Native occurrence	None	N	20110622	200104XX	PVT	Threatened	None	G3T2
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	222	94687	95801	3812175	Verona	YOL	T11N, R03E, Sec. 22, SE (M)	30	3	2	Insects	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20140312	20140312	PVT-WILDLANDS INC	Threatened	None	G3T2
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	271	95172	96307	3812165	Taylor Monument	YOL	T10N, R03E, Sec. 01, NE (M)	30	1	2	Insects	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20070514	20070514	PVT	Threatened	None	G3T2
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	155	33674	30808	3812173	Roseville	PLA	T11N, R06E, Sec. 19 (M)	100	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19970116	19970116	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	158	33675	30430	3812183	Lincoln	PLA	T12N, R06E, Sec. 08 (M)	125	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19930205	19930205	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	157	33676	30431	3812173	Roseville	PLA	T12N, R06E, Sec. 22 (M)	150	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19930118	19930118	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	319	47287	48240	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 26 (M)	90	1	2	Crustaceans	2	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20020121	20020121	PVT-WILDLANDS INC	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	167	33694	30606	3812164	Rio Linda	SAC	T10N, R05E, Sec. 31 (M)	30	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19920401	19920401	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	707	93438	94576	3812175	Verona	SUT	T11N, R04E, Sec. 34 (M)	25	1	2	Crustaceans	1	2/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20080417	20080417	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	728	93488	94617	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 04 (M)	75	18	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20140325	20140325	PVT-WILDLANDS, INC	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	315	93548	47900	3812173	Roseville	PLA	T12N, R06E, Sec. 31 (M)	100	12	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20131204	20131204	MOORE RANCH CONSERVANCY, PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	389	93457	63622	3812183	Lincoln	PLA	T12N, R06E, Sec. 05 (M)	135	5	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20120403	20120403	PVT-PLACER LAND TRUST	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	726	93466	94601	3812184	Sheridan	PLA	T12N, R05E, Sec. 11, N (M)	100	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20120312	20120312	PVT-WESTERVELT ECOLOGICAL SVCS	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	729	93489	94621	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 30, SW (M)	50	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20180326	20180326	PVT-WILDLANDS, INC	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	29	33250	2571	3812173	Roseville	PLA	T12N, R06E, Sec. 27, NW (M)	140	3	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20090211	20090211	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	737	93556	94689	3812173	Roseville	PLA	T11N, R06E, Sec. 21 (M)	130	2	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19950206	19950206	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	423	93471	67381	3812184	Sheridan	PLA	T12N, R05E, Sec. 23, NW (M)	90	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20130211	20130211	PVT-WILDLANDS INC	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	4	23050	29284	3812164	Rio Linda	SAC	T10N, R05E, Sec. 19, NW (M)	35	1	2	Crustaceans	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Poor	N	19960213	19960213	PVT, UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	789	93941	95071	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 08 (M)	60	7	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20110112	20110112	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	626	78877	79848	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 09, SW (M)	65	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20150114	20150114	CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	137	34810	2496	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 20, SW (M)	60	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	19990225	19990225	PVT-ROSEVILLE 150 PARTNERSHIP	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	42	94475	17819	3812173	Roseville	PLA	T11N, R06E, Sec. 26, SW (M)	160	3	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20120406	20120406	CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	719	93459	94594	3812183	Lincoln	PLA	T12N, R06E, Sec. 05, W (M)	125	3	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20120403	20120403	PVT-PLACER LAND TRUST	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	304	46034	46034	3812173	Roseville	PLA	T11N, R06E, Sec. 31, NW (M)	125	3	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20130125	20130125	CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	731	93512	94645	3812173	Roseville	PLA	T11N, R05E, Sec. 13 (M)	90	5	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20160208	20160208	PVT, CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	308	46098	46098	3812173	Roseville	PLA	T12N, R06E, Sec. 32 (M)	120	5	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20131204	20131204	CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	734	93539	94675	3812173	Roseville	PLA	T12N, R06E, Sec. 28, SE (M)	125	4	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20140224	20140224	PVT-WILDLANDS INC	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	743	93591	94741	3812164	Rio Linda	SAC	T10N, R05E, Sec. 16, NE (M)	70	4	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20080218	20080218	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	154	33672	30807	3812173	Roseville	PLA	T11N, R05E, Sec. 24, NW (M)	90	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20160208	20160208	CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	45	94758	1899	3812173	Roseville	PLA	T11N, R06E, Sec. 28, SE (M)	130	3	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20130809	20130809	PVT-SARES REGIS GROUP	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	46	32458	9535	3812173	Roseville	PLA	T12N, R06E, Sec. 28, SW (M)	130	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19960129	19960129	PVT-STERLING PACIFIC ASSETS	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	420	66815	66972	3812164	Rio Linda	PLA	T10N, R05E, Sec. 09, NW (M)	63	1	2	Crustaceans	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Good	N	20060106	20060106	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	421	66816	66973	3812164	Rio Linda	PLA	T10N, R05E, Sec. 08, NW (M)	48	1	2	Crustaceans	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Good	N	20060105	20060105	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	741	93589	94732	3812164	Rio Linda	SAC	T10N, R05E, Sec. 16, SE (M)	70	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20100212	20100212	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	309	46106	46106	3812173	Roseville	PLA	T11N, R06E, Sec. 20, NW (M)	115	1	2	Crustaceans	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20090217	20010307	CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	733	93531	94666	3812173	Roseville	PLA	T11N, R06E, Sec. 12 (M)	150	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20150109	20150109	CITY OF ROCKLIN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	191	36947	31944	3812173	Roseville	PLA	T12N, R06E, Sec. 33, SW (M)	115	3	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	2014XXXX	20110127	PVT-WILDLANDS INC	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	139	34813	1874	3812173	Roseville	PLA	T11N, R06E, Sec. 16, NE (M)	100	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19970114	19970114	PVT-STANFORD RANCH	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	145	28339	29428	3812164	Rio Linda	SAC	T09N, R05E, Sec. 03, SW (M)	25	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Poor	N	19950114	19950114	PVT-WESTERN PACIFIC RR	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	788	93938	95067	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 11, NW (M)	90	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20090225	20090225	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	738	93575	94708	3812173	Roseville	PLA	T11N, R06E, Sec. 04, NE (M)	125	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20061124	20061124	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	41	32449	1022	3812173	Roseville	PLA	T11N, R06E, Sec. 22 (M)	150	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20090213	20090213	PVT-ROSEVILLE PROPERTIES	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	732	93527	94660	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 11, NE (M)	100	2	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20090225	20090225	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	3	23049	16973	3812164	Rio Linda	SAC	T10N, R05E, Sec. 19, W (M)	35	1	2	Crustaceans	1	non-specific area	Presumed Extant	Natural/Native occurrence	Fair	N	19930211	19930211	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	720	93460	94595	3812183	Lincoln	PLA	T12N, R06E, Sec. 09, SW (M)	145	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20060117	20060117	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	924	B5447	118408	3812163	Citrus Heights	PLA	T10N, R06E, Sec. 9, NW (M)	130	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20180124	20180124	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	196	38629	33636	3812173	Roseville	PLA	T12N, R05E, Sec. 25, SW (M)	100	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	19971106	19971106	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	182	36116	31113	3812164	Rio Linda	SAC	T10N, R05E, Sec. 19, NW (M)	31	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19970122	19970122	WESTERN AREA POWER ADMIN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	44	94478	1903	3812173	Roseville	PLA	T11N, R06E, Sec. 32, NW (M)	120	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20110303	20110303	CITY OF ROSEVILLE	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	229	42058	42058	3812172	Rocklin	PLA	T11N, R07E, Sec. 31, NW (M)	320	1	2	Crustaceans	1	80 meters	Extirpated	Natural/Native occurrence	None	N	19981222	19981222	PVT-AKT DEVELOPMENT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	230	42059	42059	3812172	Rocklin	PLA	T11N, R07E, Sec. 31, NW (M)	260	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19981222	19981222	PVT-AKT DEVELOPMENT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	307	46096	46096	3812173	Roseville	PLA	T12N, R06E, Sec. 20, SE (M)	120	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20010309	20010309	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	247	43395	43395	3812173	Roseville	PLA	T11N, R06E, Sec. 03, SW (M)	150	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20010308	20010308	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	90	94697	2087	3812164	Rio Linda	SAC	T09N, R05E, Sec. 03, NW (M)	50	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	19960216	19960216	DOD-MCCLELLAN AFB	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	892	95355	96488	3812183	Lincoln	PLA	T12N, R06E, Sec. 17, NW (M)	120	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20140627	20140627	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	175	93436	30604	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 26, E (M)	35	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20110228	20110228	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	706	93437	94575	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 36, W (M)	40	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20110228	20110228	UNKNOWN	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	724	93464	94599	3812183	Lincoln	PLA	T12N, R06E, Sec. 10, SW (M)	155	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20080603	20080603	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	412	64328	64407	3812173	Roseville	PLA	T11N, R05E, Sec. 24, S (M)	90	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20050210	20050210	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	736	93547	94682	3812173	Roseville	PLA	T11N, R06E, Sec. 05, SW (M)	125	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20080131	20080131	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	739	93587	94719	3812164	Rio Linda	SAC	T09N, R05E, Sec. 11, SW (M)	65	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20070727	20070727	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	740	93588	94730	3812164	Rio Linda	SAC	T10N, R05E, Sec. 15, W (M)	75	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20100211	20100211	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	742	93590	94733	3812164	Rio Linda	SAC	T10N, R05E, Sec. 16, SW (M)	50	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20100225	20100225	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	790	93942	95072	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 07, NE (M)	55	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20110117	20110117	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	429	68132	68276	3812164	Rio Linda	SAC	T09N, R05E, Sec. 14, NE (M)	59	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20070726	20070726	PVT-MCCLELLAN PARK	Threatened	None	G3

CNDDB 10 Miles

December 2021

SNAME	CNAME	ELMCODE	OCCNUMBER	MAPNDX	EONDX	KEYQUAD	KQUADNAME	KEYCOUNTY	PLSS	ELEVATION	PARTS	ELMTYPE	TAXONGROUP	EOCOUNT	ACCURACY	PRESENCE	OCCTYPE	OCCRANK	SENSITIVE	SITEDATE	ELMDATE	OWNERMGT	FEDLIST	CALLIST	GRANK
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	130	34789	14402	3812164	Rio Linda	SAC	T10N, R05E, Sec. 31, N (M)	40	1	2	Crustaceans	2	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19920401	19920401	PVT-UNION PACIFIC RR	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	146	28338	29427	3812164	Rio Linda	SAC	T09N, R05E, Sec. 05, NW (M)	20	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19950222	19950222	CITY OF SACRAMENTO	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	140	34818	3439	3812183	Lincoln	PLA	T12N, R06E, Sec. 21, SE (M)	144	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19980120	19980120	PVT-STERLING PACIFIC ASSETS	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	141	34819	17500	3812173	Roseville	PLA	T12N, R06E, Sec. 28, NE (M)	140	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19960130	19960130	PVT-STERLING PACIFIC ASSETS	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	30	33251	2570	3812173	Roseville	PLA	T12N, R06E, Sec. 35, NE (M)	195	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19941228	19941228	PVT	Threatened	None	G3
Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	940	B5544	118512	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 5, SE (M)	65	1	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20180329	20180329	PVT	Threatened	None	G3
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	103	33706	30603	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 11 (M)	40	1	2	Crustaceans	1	3/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19930312	19930312	UNKNOWN	Endangered	None	G4
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	104	33707	30605	3812174	Pleasant Grove	SUT	T11N, R04E, Sec. 26 (M)	35	1	2	Crustaceans	1	3/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19930312	19930312	UNKNOWN	Endangered	None	G4
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	147	11427	42235	3812164	Rio Linda	SAC	T09N, R05E, Sec. 19 (M)	50	1	2	Crustaceans	2	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	19980710	19980710	PVT	Endangered	None	G4
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	27	94804	30805	3812184	Sheridan	PLA	T12N, R05E, Sec. 23, W (M)	90	5	2	Crustaceans	1	specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20130211	20130211	DOD, PVT-WILDLANDS, INC	Endangered	None	G4
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	24	32457	1900	3812173	Roseville	PLA	T11N, R06E, Sec. 29, SE (M)	130	1	2	Crustaceans	2	1/5 mile	Possibly Extirpated	Natural/Native occurrence	None	N	19950227	19950227	PVT-SARES REGIS GROUP	Endangered	None	G4
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	329	94802	95905	3812173	Roseville	PLA	T12N, R06E, Sec. 28, SE (M)	140	1	2	Crustaceans	1	1/10 mile	Possibly Extirpated	Natural/Native occurrence	None	N	20020323	20020323	UNKNOWN	Endangered	None	G4
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	38	32541	4987	3812185	Nicolaus	SUT	T12N, R04E, Sec. 20, NE (M)	34	1	2	Crustaceans	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19930315	19930315	CALTRANS	Endangered	None	G4
Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	33	32526	1904	3812185	Nicolaus	SUT	T12N, R04E, Sec. 08, SE (M)	34	1	2	Crustaceans	2	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19930315	19930315	CALTRANS	Endangered	None	G4
Emys marmorata	western pond turtle	ARAAD02030	2	26582	1462	3812164	Rio Linda	SAC	T09N, R05E, Sec. 24, W (M)	50	1	2	Reptiles	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1995XXXX	1995XXXX	DOD-MCCLELLAN AFB	None	None	G3G4
Gonidea angulata	western ridged mussel	IMBIV19010	132	90034	118977	3812154	Sacramento East	SAC	T08N, R04E, Sec. 01 (M)	20	1	2	Mollusks	3	5 miles	Presumed Extant	Natural/Native occurrence	Unknown	N	XXXXXXXX	XXXXXXXX	UNKNOWN	None	None	G3
Spea hammondii	western spadefoot	AAABF02020	173	42150	42150	3812173	Roseville	PLA	T11N, R06E, Sec. 29 (M)	140	1	2	Amphibians	1	2/5 mile	Presumed Extant	Natural/Native occurrence	Poor	N	199002XX	199002XX	PVT	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	1301	B4908	117845	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 23 (M)	93	2	2	Amphibians	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20160305	20160305	DOD, UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	1298	B4904	117842	3812173	Roseville	PLA	T12N, R06E, Sec. 31, SW (M)	106	1	2	Amphibians	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Good	N	20160305	20160305	PVT	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	1296	B4900	117837	3812173	Roseville	PLA	T12N, R05E, Sec. 25, NW (M)	101	1	2	Amphibians	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Good	N	20160305	20160305	PVT	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	1300	B4906	117844	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 36 (M)	102	1	2	Amphibians	1	specific area	Presumed Extant	Natural/Native occurrence	Good	N	20160305	20160305	UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	309	60024	60060	3812173	Roseville	PLA	T11N, R05E, Sec. 24 (M)	95	2	2	Amphibians	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20040423	20040423	UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	172	42147	42147	3812173	Roseville	PLA	T11N, R06E, Sec. 25, SE (M)	208	1	2	Amphibians	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20180413	20180413	UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	1295	B4898	117835	3812184	Sheridan	PLA	T12N, R05E, Sec. 1, SW (M)	103	1	2	Amphibians	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20160305	20160305	UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	1297	B4901	117839	3812174	Pleasant Grove	PLA	T12N, R05E, Sec. 24, SW (M)	98	1	2	Amphibians	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20160305	20160305	UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	1299	B4905	117843	3812173	Roseville	PLA	T12N, R05E, Sec. 36, E (M)	112	1	2	Amphibians	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20160305	20160305	UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	171	42145	42145	3812173	Roseville	PLA	T11N, R06E, Sec. 32, NW (M)	115	1	2	Amphibians	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	19910412	19910412	UNKNOWN	None	None	G2G3
Spea hammondii	western spadefoot	AAABF02020	174	42151	42151	3812174	Pleasant Grove	PLA	T11N, R05E, Sec. 23, SE (M)	100	1	2	Amphibians	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	19930321	19930321	UNKNOWN	None	None	G2G3
Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	194	90034	96966	3812154	Sacramento East	SAC	T08N, R04E, Sec. 01 (M)	20	1	2	Birds	3	5 miles	Extirpated	Natural/Native occurrence	None	N	187707XX	187707XX	UNKNOWN	Threatened	Endangered	G5T2T3
Elanus leucurus	white-tailed kite	ABNKC06010	54	26582	1463	3812164	Rio Linda	SAC	T09N, R05E, Sec. 24, W (M)	50	1	2	Birds	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1995XXXX	1995XXXX	DOD-MCCLELLAN AFB	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	67	51562	51562	3812164	Rio Linda	SAC	T10N, R05E, Sec. 32, SW (M)	40	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20020701	20020701	PVT	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	72	51571	51571	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, NE (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20020625	20020625	RECLAMATION DISTRICT 1000	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	66	51561	51561	3812164	Rio Linda	SAC	T09N, R05E, Sec. 04, NE (M)	40	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	20020606	20020606	SAC COUNTY FLOOD CONTROL	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	69	51568	51568	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, NE (M)	25	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Unknown	N	20020625	20020625	PVT	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	71	51570	51570	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, SE (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20020625	20020625	RECLAMATION DISTRICT 1000	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	68	51566	51566	3812164	Rio Linda	SAC	T10N, R05E, Sec. 33, SW (M)	45	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Fair	N	20020711	20020711	PVT	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	70	51569	51569	3812164	Rio Linda	SAC	T09N, R05E, Sec. 06, SE (M)	30	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Excellent	N	20020625	20020625	PVT-UNION PACIFIC RR, RD 1000	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	56	42671	42671	3812173	Roseville	PLA	T11N, R06E, Sec. 20, SE (M)	125	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	1999XXXX	199807XX	PVT-HEWLETT PACKARD	None	None	G5
Elanus leucurus	white-tailed kite	ABNKC06010	31	24810	6463	3812162	Folsom	SAC	T10N, R07E, Sec. 20, NW (M)	200	1	2	Birds	1	80 meters	Presumed Extant	Natural/Native occurrence	Good	N	1992XXXX	1992XXXX	UNKNOWN	None	None	G5
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	PDMAL0H0R3	201	A8142	109924	3812175	Verona	SUT	T12N, R04E, Sec. 27, SW (M)	40	1	1	Dicots	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20150610	20150610	PVT	None	None	G5T3

CNDDB 10 Miles

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SNAME	CNAME	SRANK	RPLANTRANK	CDFWSTATUS	OTHRSTATUS	LOCATION
Juncus leiospermus var. ahartii	Ahart's dwarf rush	S1	1B.2			1 MILE EAST OF THE LINCOLN AIRPORT, LINCOLN.
Alkali Meadow	Alkali Meadow	S2.1				NORTH OF ROSEVILLE ON HWY 65, EAST ON PLACER BLVD, EAST ON PRIVATE DIRT ROAD.
Alkali Seep	Alkali Seep	S2.1				0.5 MILE EAST OF PLEASANT GROVE CREEK, APPROX 2.5 MILES NORTH OF ROCKLIN. ACCESS VIA HWY 65.
Andrena subapasta	An andrenid bee	S1S2				FAIR OAKS.
Andrena subapasta	An andrenid bee	S1S2				ROSEVILLE.
Riparia riparia	bank swallow	S2			BLM_S; IUCN_LC	SACRAMENTO RIVER MILE 81.3, JUST DOWNSTREAM FROM KANAKA CUTOFF.
Riparia riparia	bank swallow	S2			BLM_S; IUCN_LC	SACRAMENTO RIVER MILE 80.5, RIGHT BANK, JUST ABOVE THE CONFLUENCE WITH FEATHER RIVER.
Balsamorhiza macrolepis	big-scale balsamroot	S2	1B.2		BLM_S; USFS_S	TOWN OF LINCOLN.
Balsamorhiza macrolepis	big-scale balsamroot	S2	1B.2		BLM_S; USFS_S	UNCULTIVATED STRIP ALONG RAILROAD AND US HIGHWAY 99E, 3.2 MILES NORTH OF ROSEVILLE.
Nycticorax nycticorax	black-crowned night heron	S4			IUCN_LC	SMALL DRAINAGE CANAL CROSSING ELVERTA RD, APPROXIMATELY 600 M WEST OF POWERLINE RD, JUST N OF SACRAMENTO METRO AIRPORT.
Nycticorax nycticorax	black-crowned night heron	S4			IUCN_LC	CURRY CREEK, 0.3 MILE NW OF THE INTERSECTION OF SANKEY ROAD AND PACIFIC AVENUE, APPROXIMATELY 10 MI NORTH OF SACRAMENTO.
Gratiola heterosepala	Boggs Lake hedge-hyssop	S2	1B.2		BLM_S	VERNAL POOLS JUST NORTH OF AND ADJACENT TO U STREET, AT NORTHEASTERN BORDER OF RIO LINDA.
Gratiola heterosepala	Boggs Lake hedge-hyssop	S2	1B.2		BLM_S	NORTH OF ROSEVILLE, WEST OF ANTELOPE CREEK, WSW OF ROCKLIN.
Gratiola heterosepala	Boggs Lake hedge-hyssop	S2	1B.2		BLM_S	0.7 MILE N OF ENTRANCE TO CLAY PIT, 1.2 ROAD MILES S OF WISE ROAD INTERSECTION, ABOUT 2.2 AIR MILES NW OF LINCOLN.
Gratiola heterosepala	Boggs Lake hedge-hyssop	S2	1B.2		BLM_S	JOHNSON RANCH, APPROXIMATELY 0.75 MILE SOUTH OF HWY 80 BETWEEN ROCKLIN & ROSEVILLE.
Gratiola heterosepala	Boggs Lake hedge-hyssop	S2	1B.2		BLM_S	NORTH OF PLEASANT GROVE CREEK, APPROX. 1.5 AIR MILES NW OF R. F. FIDDYMENT RANCH, NW OF ROSEVILLE.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	HAGGINWOOD. VICINITY OF ARCADE CREEK, BUSINESS I-80 AND HAGGIN OAKS GOLF COURSE.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	JUST WNW OF 6TH AND "U" STREETS, RIO LINDA.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	0.9 MI NE OF THE INTERSECTION OF SAN JUAN ROAD AND EL CENTRO ROAD, APPROXIMATELY 4 MI SE OF SACRAMENTO METRO AIRPORT.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	ELKHORN BLVD JUST W OF E LEVEE RD, & ABOUT 0.1 MI N TO 0.2 MI S OF ELKHORN BLVD FROM 0.3-0.6 MI E OF E LEVEE RD.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	ABOUT 0.5 MI STRETCH OF THE NATOMAS EAST DRAINAGE CANAL JUST N OF THE SEWAGE PONDS, EAST SIDE OF OLD NATOMAS AIRPORT.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	NORTH SIDE OF PHILIP ROAD, APPROXIMATELY 0.75 MILE WEST OF FIDDYMENT ROAD, NW OF ROSEVILLE.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	NATOMAS EAST DRAINAGE CANAL, FROM ABOUT 0.2 MI N TO ABOUT 0.4 MI S OF DEL PASO RD ABOUT 1.4 MI E OF I-5, SACRAMENTO.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	NATOMAS EAST DRAINAGE CANAL, NORTH AND SOUTH OF CLUB CENTER DRIVE, SACRAMENTO.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	ALONG IRRIGATION CANAL ABOUT 0.2 TO 0.5 MI SOUTH OF W ELVERTA RD & 0.7 MI EAST OF ERNEST RD, SW OF RIO LINDA.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	W SIDE OF E COMMERCE WAY, ABOUT 0.5 MI SE OF DEL PASO RD AT I-5, JUST W OF ARCO ARENA (POWER BALANCE PAVILION).
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	WEST OF E LEVEE RD FROM JUST NORTH OF I-80 TO NE CORNER OF CALTRANS YARD JUST S OF I-80, NATOMAS AREA OF SACRAMENTO.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	NORTH OF ELKHORN BLVD, 1.0 MILE EAST OF HWY 99.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	VICINITY OF CANAL ABOUT 0.75 TO 1 MI NW OF ELKHORN BLVD AT SORENTO RD, AMERICAN BASIN, WEST OF RIO LINDA.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	ABOUT 0.2 MI N OF W END OF SHADONEY AVE, ABOUT 1.6 - 1.7 MI NW OF W ELVERTA RD AT SORENTO RD, 4.2 MI NW OF RIO LINDA PO.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	WEST SIDE OF PACIFIC AVENUE, 1.5 MILES NE OF THE INTERSECTION OF RIEGO ROAD AND HWY 99/70, SSW OF PLEASANT GROVE.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	APPROXIMATELY 4 MILES WEST OF RIO LINDA.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	250 FT NORTH OF EAST CATLETT RD, 0.4 MI WEST OF FIDDYMENT RD, SW OF LINCOLN.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	SWAINSONS PRESERVE, 0.43 MI SSE OF THE INTERSECTION OF WEST WISE RD. AND HWY 65.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	WITHIN THE PARKING LOT COMPLEX AT ARCO ARENA, SACRAMENTO.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	ADJACENT TO ONRAMP FROM NORTH-BOUND TRUXEL ROAD TO WEST-BOUND I-80, NATOMAS.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	ABOUT 0.5 MI NW OF LOCUST ROAD AT LOS GARCIAS LN AND ABOUT 1.7 MI NNW OF ELVERTA POST OFFICE.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	WEST BANK OF THE NATOMAS EAST MAIN DRAINAGE CANAL, JUST NORTH OF DEL PASO ROAD, SACRAMENTO.
Athene cunicularia	burrowing owl	S3		SSC	BLM_S; IUCN_LC; USFWS_BCC	FAR WEST END OF DELTA ROAD (TOPO), ABOUT 0.4 MI WEST OF EARHART DRIVE, NORTH END OF SACRAMENTO INTERNATIONAL AIRPORT.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	EAST OF FIDDYMENT ROAD, WEST OF FOOTHILLS BLVD, AND NORTH OF BASELINE ROAD, NW OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	WNW OF ROSEVILLE; BETWEEN BREWER ROAD AND 1001 ROAD, JUST NORTH OF CURRY CREEK.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	AITKEN RANCH MITIGATION BANK, ALONG AUBURN RAVINE S OF MOORE RD, N OF PLEASANT GROVE BLVD & WEST OF DOWD AVE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NORTH OF DYER LANE, ABOUT 0.75 TO 1.5 MILES WEST OF CENTER POINT ROAD, WEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NORTHWEST OF ROSEVILLE, 2.0 KM NORTHWEST OF HIGHWAY 65 AT INDUSTRIAL BLVD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	IN THE GENERAL AREA NW OF FIDDYMENT RD AT E CATLETT RD, S OF ORCHARD CREEK, 4.5 MILES SW OF LINCOLN PO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	1 MILE NW OF PLEASANT GROVE ROAD & SP RAILROAD, 1 MILE E OF ORCHARD CREEK & INGRAM SLOUGH CONFLUENCE, NNW OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	LARGE AREA W OF HWY 65 (NOW BISECTED BY NEW HWY 65 ROUTE) AND S OF AUBURN RAVINE, CENTERED 1.7 MI SW LINCOLN PO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	BETWEEN DRY CREEK AND PFE ROAD, EAST OF WATT AVENUE AND WEST OF WALERBI ROAD, WEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NNW OF ROSEVILLE, 1.8 KM SOUTHWEST OF SOUTHERN PACIFIC RAILROAD AT PLEASANT GROVE CREEK.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	EASTRIDGE PROJECT SOUTHERN WETLAND PRESERVE, 1.0 KM EAST OF HIGHWAY 65, 2.2 KM SOUTH OF LINCOLN.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NORTH OF ROSEVILLE; WEST OF HWY 65, SOUTH OF PLEASANT GROVE CREEK AND 0.8 KM NORTH OF SCOW ROAD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	ABOUT 3 AIR MILES WSW OF LINCOLN, WEST OF NELSON LANE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	CORNER OF ELVERTA ROAD AND UNION PACIFIC RAILROAD AT EAST MAIN DRAINAGE CANAL, RIO LINDA.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	BETWEEN KASEBERG CREEK & SOUTH BRANCH PLEASANT GROVE CREEK; 1.8 KM WEST OF SOUTHERN PACIFIC RR AT HWY 65.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NORTH SIDE OF W RIEGO RD FROM ABOUT 0.5 TO 0.9 MILE WEST OF THE NATOMAS RD INTERSECTION, NW OF ELVERTA, N OF SACRAMENTO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	FOSKETT RANCH OPEN SPACE PRESERVE, NW OF LINCOLN AND WEST OF HIGHWAY 65.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	3 MILES NW OF ROSEVILLE, ALONG POWER LINES, 0.1 TO 0.8 MILE EAST OF FIDDYMENT ROAD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	ALONG BASE LINE ROAD FROM ABOUT 0.6 TO 1 MILE EAST OF THE INTERSECTION WITH COUNTRY ACRES LANE, WEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	SILVERADO OAKS MITIGATION SITE, NW OF THE WOODCREEK OAKS BLVD & JUNCTION BLVD JCT, ABOUT 3 MI WNW OF ROSEVILLE PO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NORTH OF I-80, BETWEEN DRY CREEK ROAD TO THE EAST AND RIO LINDA BLVD TO THE WEST, AT TERMINUS OF JESSIE RD, SACRAMENTO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	ALONG CREEK ON N EDGE OF DIAMOND OAKS MUNICIPAL GOLF COURSE, 1.7 MI N OF ROSEVILLE PO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	MCCLELLAN AFB; FROM ABOUT 0.1 TO 0.5 MILE SW OF ASCOT AVE AT PATROL RD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NORTH SIDE OF PHILLIPS ROAD, ABOUT 1.3 MILES WEST OF ITS INTERSECTION WITH FIDDYMENT ROAD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	2.5 MILES NORTH ROSEVILLE, 0.4 MILE EAST OF INTERSECTION OF EAST ROSEVILLE PARKWAY AND WASHINGTON BLVD, WEST OF HWY 65.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	W RIEGO ROAD AT POWERLINE ROAD, ABOUT 3 MILES NORTH OF SACRAMENTO INTERNATIONAL AIRPORT, NORTH OF SACRAMENTO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	1 MILE SW OF THE INTERSECTION OF FIDDYMENT ROAD AND PLEASANT GROVE CREEK, ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	USAF LINCOLN COMMUNICATIONS FACILITY, 1.1 KM WNW OF INTERSECTION OF MOORE ROAD AND DOWD AVENUE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	SOUTH SIDE OF PHILLIP ROAD ABOUT 3 MILES EAST OF BREWER ROAD, NORTHWEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	OPEN AREA BETWEEN RESIDENTIAL HOUSING NE OF COUNTRY CLUB DR AT ACTON WAY, CENTERED ABOUT 2.2 MI NW OF ROSEVILLE PO.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	SOUTH SIDE OF BASE LINE RD FROM ABOUT 0.1 TO 0.4 MILE EAST OF THE LOCUST RD INTERSECTION, WEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	ALONG WESTERN PACIFIC RR TRACKS JUST N OF W RIEGO RD, ABOUT 0.1 MILE E OF THE NATOMAS RD INTERSECTION, NW OF ELVERTA.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	ALONG RAILROAD TRACKS AT THE SW CORNER OF WISE RD AND OLD HWY 65, ABOUT 3 MILES NW OF LINCOLN.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	0.6 MILE NW OF PLEASANT GROVE RD & SPRR, 1.4 MILE ESE OF ORCHARD CREEK & INGRAM SLOUGH CONFLUENCE, NNW OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	LOCATED BETWEEN HIGHWAY 65 AND ROSEVILLE PARKWAY, NW OF GIBSON DRIVE, ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NW OF THE JUNCTION OF PLEASANT GROVE BLVD AND ROSEVILLE PARKWAY, SOUTH OF HIGHWAY 65, ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	0.7 MILE SOUTH OF ELKHORN BOULEVARD AND 0.4 MILE WEST OF SORENTO ROAD, 2 MILES SW OF RIO LINDA.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	S SIDE OF BASE LINE RD ABOUT 0.1 MI E OF THE PLEASANT GROVE RD, 0.2 MI NW OF ELDER RD AT LOWELL ST, WEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	SOUTH SIDE OF BASE LINE ROAD ABOUT 0.5 MILE WEST OF WATT AVENUE, WEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	SOUTH SIDE OF BASE LINE ROAD ABOUT 0.5 MILE EAST OF THE WATT AVENUE JUNCTION, WEST OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	NEAR UNNAMED TRIBUTARY TO PLEASANT GROVE CREEK NORTH AND EAST OF PHILLIP ROAD, NW OF ROSEVILLE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	IMMEDIATELY N OF MARCUM RD INTERSECTION WITH STATE ROUTE 70. BETWEEN HWY 70 & ABANDONED RAILROAD GRADE EAST OF HWY 70.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	USAF LINCOLN COMMUNICATIONS FACILITY; 1.1 KM WEST OF INTERSECTION OF MOORE ROAD AND DOWD AVENUE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	700 FEET WEST OF EAST LEVEE ROAD X ELKHORN BLVD, ON SOUTH SIDE OF ELKHORN BLVD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	600 FEET WEST OF EAST LEVEE ROAD; IMMEDIATELY SOUTH OF 2 TRANSMISSION-LINE TOWERS; 1.0 MI N OF ELKHORN BLVD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	ON SOUTH SIDE OF GRAVEL ROAD; 220 FT W OF EAST LEVEE ROAD; 0.6 MI S OF ELVERTA ROAD X EAST LEVEE ROAD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	TOE OF FILL ON WEST SIDE OF EAST LEVEE ROAD; 0.7 KM S OF ELKHORN BLVD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	ALONG UNION PACIFIC RAILROAD, 0.2 MILE SOUTH OF ELKHORN BLVD, RIO LINDA.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	USAF LINCOLN COMMUNICATIONS FACILITY; ABOUT 0.4 KM NE OF MOORE ROAD INTERSECTION WITH WESTERN SITE BOUNDARY.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	USAF LINCOLN COMMUNICATIONS FACILITY, 1.3 KM WNW OF INTERSECTION OF MOORE ROAD AND DOWD AVENUE.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	STOCK RANCH; 0.8 KM SW OF AUBURN ROAD X SYLVAN ROAD.
Linderiella occidentalis	California linderiella	S2S3			IUCN_NT	MCCLELLAN AFB; CREEKS AREA; 0.8 KM NE OF MAIN AVENUE AND RALEY BLVD.
Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	S2			AFS_TH	LOWER FEATHER RIVER, FROM RM0 AT VERONA TO THE FISH BARRIER DAM AT FEATHER RIVER HATCHERY (FRH) AT RM67.
Branchinecta conservatio	Conservancy fairy shrimp	S2			IUCN_EN	MARINER CONSERVATION BANK, 1.25 AIR MILES NW OF INTERSECTION OF N DOWD ROAD AND NICOLAUS ROAD, 4 MILES WNW OF LINCOLN.
Downingia pusilla	dwarf downingia	S2	2B.2			VICINITY OF LINCOLN. 1/4 MILE NORTH OF COON CREEK, 1/4 MILE WEST OF DOWD RD, 1 MILE WEST OF HWY 65, SOUTH OF SHERIDAN.
Downingia pusilla	dwarf downingia	S2	2B.2			0.5 MILE SOUTH OF WISE ROAD, WEST OF HIGHWAY 65, NORTHWEST OF LINCOLN.
Downingia pusilla	dwarf downingia	S2	2B.2			0.75 MILE SOUTH OF THE INTERSECTION OF HIGHWAY 65 AND PLEASANT GROVE ROAD, EAST OF HIGHWAY 65.
Downingia pusilla	dwarf downingia	S2	2B.2			NE OF ROSEVILLE AND SW OF ROCKLIN POWER LINE.
Downingia pusilla	dwarf downingia	S2	2B.2			SOUTH OF PHILLIP ROAD ABOUT 3.5 MILES EAST OF BREWER ROAD, NORTHWEST OF ROSEVILLE.

CNDDB 10 Miles
December 2021

SNAME	CNAME	SRANK	RPLANTRANK	CDFWSTATUS	OTHRSTATUS	LOCATION
Downingia pusilla	dwarf downingia	S2	2B.2			BETWEEN HIGHWAY 65 AND INDUSTRIAL BLVD NORTH OF ORCHARD CREEK, 2.2 MILES SOUTH OF LINCOLN.
Downingia pusilla	dwarf downingia	S2	2B.2			EAST OF LAKESIDE ROAD, ABOUT 1.6 AIR MILES NORTHWEST OF DOWNTOWN LINCOLN.
Downingia pusilla	dwarf downingia	S2	2B.2			SOUTH SIDE OF PHILLIP ROAD ABOUT 3 MILES EAST OF BREWER ROAD, NORTHWEST OF ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			ABOUT 0.7 MILE WEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			WEST OF HIGHWAY 65, ABOUT 0.5 AND 0.8 AIR MILE WEST OF JUNCTION WITH PLEASANT GROVE BLVD, NORTH OF ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			NORTH SIDE OF ORCHARD CREEK, 3 MILES SW OF LINCOLN, 1.4 MILES NW OF INDUSTRIAL AVE AT ATHENS AVE, NORTH OF ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			LINCOLN COMMUNICATION ANNEX (USAF) NORTH OF MOORE ROAD, ABOUT 5 AIR MILES WEST OF LINCOLN.
Downingia pusilla	dwarf downingia	S2	2B.2			JUST EAST OF PALLADAY ROAD (KNOW ROAD), 1.1 ROAD MILES SOUTH OF ITS INTERSECTION WITH BASE LINE ROAD, ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			UNDER TRANSMISSION LINE WEST OF EAST LEVEE ROAD AND 1 MILE NORTH OF ELKHORN BLVD, RIO LINDA.
Downingia pusilla	dwarf downingia	S2	2B.2			ABOUT 0.6 AIR MILE SOUTH OF ELVERTA ROAD JUST WEST OF EAST LEVEE ROAD, WEST OF RIO LINDA.
Downingia pusilla	dwarf downingia	S2	2B.2			ABOUT 800 FEET DUE SOUTH OF THE WEST END OF DELANO ROAD, BETWEEN RIO LINDA AND ELVERTA.
Downingia pusilla	dwarf downingia	S2	2B.2			0.2 MILE SOUTH OF ELVERTA ROAD AND 0.6 MILE EAST OF 16TH STREET, RIO LINDA.
Downingia pusilla	dwarf downingia	S2	2B.2			ABOUT 2.2 AIR MILES NORTHWEST OF DOWNTOWN LINCOLN, 1.2 ROAD MILES SOUTH OF WISE ROAD / HIGHWAY 65 INTERSECTION.
Downingia pusilla	dwarf downingia	S2	2B.2			ABOUT 1 MILE SOUTHWEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			NORTH SIDE OF PLEASANT GROVE CREEK, ABOUT 1.1 AIR MILES NORTHWEST OF R F FIDDYMENT RANCH.
Downingia pusilla	dwarf downingia	S2	2B.2			JUST NORTH OF THE INTERSECTION OF WOODCREEK OAKS BLVD AND JUNCTION BLVD, ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			JUST WEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			SOUTH OF PLEASANT GROVE BLVD, ABOUT 300 FT EAST OF COUNTY CLUB DRIVE, ROSEVILLE.
Downingia pusilla	dwarf downingia	S2	2B.2			SOUTH SIDE OF PLEASANT GROVE CREEK, ABOUT 1 AIR MILE WNW OF R F FIDDYMENT RANCH.
Downingia pusilla	dwarf downingia	S2	2B.2			NORTH OF PLEASANT GROVE CREEK, ABOUT 1.5 AIR MILES NORTHWEST OF R F FIDDYMENT RANCH.
Downingia pusilla	dwarf downingia	S2	2B.2			SOUTHWEST SIDE OF ROSEVILLE PARKWAY, APPROXIMATELY 0.15 MILE NORTHWEST OF PLEASANT GROVE BLVD, ROSEVILLE.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ELVERTA CANAL, NORTH & EAST DRAINAGE CANAL & INTERSECTING CANALS, FROM SACRAMENTO/SUTTER COUNTY LINE S TO ELVERTA RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	NORTH AND SOUTH OF CROSS CANAL (LATERAL 4), NORTH AND NE OF THE END OF POWERLINE RD, 1.9 MILES NE FROM SACRAMENTO RIVER.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	VICINITY OF FISHERMANS LAKE & WEST DRAINAGE CANAL, ABOUT 1 MILE SW OF EL CENTRO RD & DEL PASO RD INTERSECTION.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE CANALS ALONG MEISTER WAY, POWERLINE RD, AND I-5, EAST OF SACRAMENTO INTERNATIONAL AIRPORT, NW OF NATOMAS.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG TWO CANALS ABOUT 0.90 MI SSW OF SANKEY RD & POWERLINE RD, 1.2 MI N OF RIEGO RD, E OF SACRAMENTO RIVER.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG NORTH DRAINAGE CANAL, EAST OF POWERLINE RD, SOUTH OF SANKEY RD & NORTH OF RIEGO RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	~1.25 MI SSE OF ELVERTA RD & METRO RD INTERSECTION, 1.3 MI NW OF HWY 99 & ELKHORN BLVD INTERSECTION, NW OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	N AND S OF RIEGO RD, 0.2 MI W POWERLINE RD INTERSECTION AND 0.7 MI E OF RIEGO RD & GARDEN INTERSECTION.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	MAIN CANAL JUST N OF CATLETT RD, 1.5 MI ESE OF WORTH RD & GARWOOD RD INTERSECTION,1.7 MI WNW OF SR-99/70 AT CATLETT RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CANALS IN VICINITY OF ELKHORN BLVD, EAST OF HWY 99, WEST OF COMMERCE WAY, 3 MI EAST OF SACRAMENTO INTERNATIONAL AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	PING SLOUGH, 0.5 MI N MARCUM RD, 1 MILE EAST OF NICOLAUS.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	VICINITY OF EL CENTRO ROAD & DEL PASO ROAD INTERSECTION, ABOUT 0.4 MILE WEST OF I-5, NATOMAS, NORTH OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	AMERICAN BASIN; 1.8 KM NNW OF THE INTERSECTION BETWEEN SANKEY ROAD AND EL CENTRO ROAD (HWY 70 AND 99).
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	0.5 MI N OF ELVERTA RD, ONE MI W OF POWERLINE RD, 1.5 MI NORTH OF SACRAMENTO METRO AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CREEK/MARSH 0.3 MI WEST OF POWERLINE ROAD AND 0.3 MI SOUTH OF ELVERTA ROAD, 1 MI NE OF SACRAMENTO METRO AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CANAL E OF POWERLINE RD, 0.9 MI S OF ELVERTA RD, 1 MI E OF SACRAMENTO AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	AMERICAN BASIN; APPROX. 0.7 KM SE OF THE INTERSECTION BETWEEN ELVERTA ROAD AND POWERLINE ROAD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	BAYOU WAY, 0.5 MI SW OF HWY 99/I-5 INTERCHANGE, APPROXIMATELY 1 MI E OF POWERLINE RD, SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CANAL ON W SIDE OF EL CENTRO BLVD (HIGHWAY 70 & 99), 0.4 MI N OF SANKEY RD, NNW SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CANAL ON NORTHERN SIDE OF HOWSLEY RD, 0.8 MI E OF EL CENTRO BLVD (HIGHWAY 70 AND 99), WEST OF PLEASANT GROVE.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE CANAL; 0.9 KM S OF ELVERTA CANAL; 1.6 KM E OF EAST DRAINAGE CANAL.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	AMERICAN BASIN; DRAINAGE CANAL 0.8 KM ESE OF I-5 JUNCTION WITH DEL PASO ROAD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CANAL; 1.2 KM EAST OF THE CROSSING BETWEEN NORTH MAIN CANAL AND RIEGO ROAD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	SMALL DITCH INTERSECTING EAST DRAINAGE CANAL, 0.3 MI S OF DEL PASO RD, SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	INTERSECTION OF SMALL E-W CANAL W/ EAST DRAINAGE CANEL, 1.5 MI S DEL PASO RD, SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 0.8 MI NE ELVERTA RD AT POWER LINE RD, 1.4 MI WNW OF HWY 99 AT ELVERTA RD, NE OF SACRAMENTO INTERNATIONAL AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	PRITCHARD LAKE, ABOUT 1.1 MILES NW OF POWER LINE RD & ELVERTA RD INTERSECTION, EAST OF GARDEN HIGHWAY, NW OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CANALS ALONG GARWOOD ROAD, EXTENDING NORTH OF WEST CATLETT ROAD FOR 0.7 MILE, 3.9 MILES NNE OF VERONA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 1.3 MI ESE OF GARWOOD RD AT CATLETT RD, 2 MI WSW OF SR-99 AT CATLETT RD, N SIDE OF CROSS CANAL.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG RIEGO RD ABOUT 0.3-0.7 MILES W OF HWY 99 AND DRAINAGE CANALS 0.9 MI WNW OF RIEGO RD & HWY 99 INTERSECTION.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	BETWEEN METRO PKWY AND LONE TREE RD, ABOUT 0.7 MILE NNE OF ELKHORN RD & METRO PKWY INTERSECTION, E OF SAC INTL AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	VICINITY OF BARNEY MOUND, FROM ABOUT 0.7 MI NW TO 0.6 MI NE OF SANKEY RD AT POWERLINE RD, 2.4 MI E OF VERONA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	IRRIGATION CANALS NEAR JUNCTION OF POWERLINE RD & ELVERTA RD, ~1.6 MI E OF GARDEN HWY, NNE OF SACRAMENTO INT'L AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG MAIN CANAL, ABOUT 2.3 MILES NNE OF GARDEN HWY & HOWSLEY RD INTERSECTION, W OF SR-99/70, N SIDE OF CROSS CANAL.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	SMALL DRAINAGE CANALS N OF ELKHORN BLVD & WEST OF EAST DRAINAGE CANAL, NORTH OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	JUST W OF THE NORTH DRAINAGE CANAL, N SIDE OF SANKEY RD, ~0.8 MI WNW OF JUNCTION W/ SR-99 & 0.9 MI ENE OF POWERLINE RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG PORTIONS AND W OF NORTH DRAINAGE CANAL APPROXIMATELY, 1.16 MILES NW OF THE JUNCTION OF SANKEY RD & EL CENTRO BLVD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	POWERLINE RD, ABOUT 0.7 MI S OF RIEGO RD AND 1.7 MI N OF ELVERTA RD, E OF SACRAMENTO RIVER, NNW OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	VICINITY OF NORTH DRAINAGE CANAL, 0.4 MI SE OF RIO VISTA DR AT RIO GRANDE DR, 0.8 MI SW OF POWERLINE RD AT RIEGO RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE CANAL EAST OF HWY 99 AND ABOUT 1 MILE SOUTH OF RIEGO RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 1.2 MILES WSW OF SR-99/70 & CATLETT RD JUNCTION, E OF MAIN CANAL, N OF CROSS CANAL, AMERICAN BASIN.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	CANALS ALONG LONE TREE RD, FROM ABOUT 0.5 MI E OF ELKHORN RD AND METRO PKWY INTERSECTION, JUST N OF I-5.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	THE JUNCTION OF W ELVERTA RD & LONE TREE RD AND 0.25 MILE EAST AND 0.28 MILE SOUTH OF JUNCTION.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	IRRIGATION DITCH S OF ELVERTA RD, ~1 MI SE OF INTERSECTION WITH ERNEST RD, 1.3 MILES SW OF INTERSECTION W/ LEVEE RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 0.9 MI S OF ELVERTA RD AND METRO PKWY INTERSECTION, 1.8 MI NW OF HWY 99 AT ELKHORN RD, E OF SAC INTL AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	IRRIGATION DITCH 1 MILE NE OF THE JUCTION OF POWER LINE RD & DEL PASO RD, 1.1 MILES WSW OF I-5 AND HWY 99 INTERCHANGE.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG DEL PASO RD, BTWN TRUXEL RD & E DRAINAGE CANAL, 1.9 MI SE OF HWY 99 & I-5 INTERCHANGE, NATOMAS, N OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	5.9 MILES WNW OF PLEASANT GROVE; 0.4 MILE SE OF INTERSECTION OF WORTH ROAD AND GARWOOD ROAD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	LATERAL 15 CANAL, SOUTH OF STRIPLIN ROAD & ABOUT 1.1 MILES WNW OF HWY 70 - HWY 99 SPLIT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE DITCH ABOUT 0.4 MI SOUTH OF WEST CATLETT ROAD AND 0.9 MI EAST OF VERNON ROAD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG SANKEY RD, ABOUT 0.1-0.6 MI W OF SR-99/70 INTERSECTION AND 1.6 MI E OF POWERLINE RD INTERSECTION N OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE CANAL JUST W OF HWY 99, ~0.9 MI NNW OF INTERSECTION W/ ELKHORN BLVD, 1.2 MI SSW OF ELVERTA RD INTERSECTION.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG LONE TREE RD, ABOUT 1 MILE N OF INTERSECTION WITH ELVERTA RD, BETWEEN POWER LINE RD AND HWY 99, N OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 0.8 MILE SW OF SR-99 & CATLETT RD JUNCTION, 0.9 MILE NW OF SR-99 & HOWSLEY RD JUNCTION, NE OF VERONA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG POWERLINE ROAD, 0.5 MI SOUTH OF THE SUTTER COUNTY LINE.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG THE NORTH BANK OF THE CROSS CANAL, ABOUT 0.7 MI SW OF HWY 99, 1.4 MILES SOUTH OF CATLETT ROAD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 1.3 MI NNE OF HOWSLEY RD & POWERLINE RD INTERSECTION, 2 MI SW OF SR-99/70 & CATLETT RD INTERSECTION, NE OF VERONA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	NORTH DRAINAGE CANAL AT RIEGO RD, 0.7 MI E OF POWERLINE RD, NNW OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 0.3 MI SW OF CATLETT RD AND MAIN CANAL INTERSECTION, 1 MI ESE OF CATLETT RD AT GARWOOD RD, 4 MI NE OF VERONA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ELKHORN ROAD, 0.5 MILE WEST OF EAST LEVEE ROAD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	AT THE JUNCTION OF TWO DRAINAGE CANALS ABOUT 0.45 MI SOUTH OF RIEGO RD AND 0.4 MI WEST OF HWY 99.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE CANAL JUST WEST OF HWY 99 AND 0.5 MI NORTH OF RIEGO RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG A ROAD ABOUT 0.5 MI SOUTH OF RIEGO ROAD AND ABOUT 1 MI EAST OF HWY 99.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	0.67 MILE NORTH OF THE JUNCTION OF W ELVERTA RD & POWERLINE RD.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	JUST NORTH OF THE CROSS CANAL (LATERAL 4), 0.72 MILE NE OF THE END OF POWERLINE RD, 2.6 MILES NE FROM SACRAMENTO RIVER.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE CANAL ABOUT 0.6 MILE WSW OF ELVERTA RD & E LEVEE RD INTERSECTION, EAST OF HWY 99, NW OF RIO LINDA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	AT THE INTERSECTION OF LEE RD AND POWERLINE ROAD, WEST OF HIGHWAY 99, 1.6 MILES SSE OF NICOLAUS.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ALONG E LEVEE RD, ABOUT 0.83 MILE N OF ELVERTA RD INTERSECTION, 1.7 MILES S OF RIEGO RD, NW OF RIO LINDA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 1 MILE W OF HOWSLEY RD AND SR-99/70 JUNCTION, 1.6 MI NNE OF HOWSLEY RD & POWERLINE RD JUNCTION, NE OF VERONA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 0.3 MI ENE OF WORTH RD AT GARWOOD RD, 1.4 MI SW OF POWERLINE RD AT STRIPLIN RD, N OF VERONA.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	ABOUT 0.46 MI SOUTH OF WEST CATLETT ROAD AND 2.3 MILES WEST OF HWY 70 / 99.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	APPROXIMATELY 0.76 MILES NORTH OF THE JUNCTION OF SANKEY RD & PACIFIC AVE.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	DRAINAGE CANAL JUST NE OF THE INTERSECTION OF I-5 AND HWY 99. NW OF SACRAMENTO.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	0.65 MI NORTH OF ELKHORN BLVD AND 0.3 MI EAST OF HWY 99, 3 MI EAST OF SACRAMENTO METROPOLITAN AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	0.65 MI NORTH OF ELKHORN BLVD AND 1 MI EAST OF HWY 99, 3.7 MI EAST OF SACRAMENTO METROPOLITAN AIRPORT.
Thamnophis gigas	giant gartersnake	S2			IUCN_VU	EAST DRAINAGE CANAL, BETWEEN DEL PASO BLVD AND ELKHORN BLVD, 5 MI EAST OF SACRAMENTO INTERNATIONAL AIRPORT.
Ammodramus savannarum	grasshopper sparrow	S3	SSC		IUCN_LC	0.6 MILE ESE OF THE LINCOLN RODEO GROUNDS, EAST OF HIGHWAY 65, SOUTH OF LINCOLN.

CNDDB 10 Miles
December 2021

SNAME	CNAME	SRANK	RPLANTRANK	CDFWSTATUS	OTHRSTATUS	LOCATION
Ardea herodias	great blue heron	S4			CDF_S; IUCN_LC	DRY CREEK, 0.5 MILE SOUTH OF THE JUNCTION OF WEST 2ND STREET AND ASCOT AVENUE, RIO LINDA
Ardea herodias	great blue heron	S4			CDF_S; IUCN_LC	NORTH SIDE OF ROBLA CREEK, DIRECTLY NORTH OF KELTON WAY, RIO LINDA.
Ardea herodias	great blue heron	S4			CDF_S; IUCN_LC	ALONG ROBLA CREEK, JUST EAST OF THE WPRR TRACKS, RIO LINDA.
Ardea alba	great egret	S4			CDF_S; IUCN_LC	SMALL DRAINAGE CANAL CROSSING ELVERTA RD, APPROXIMATELY 600 M WEST OF POWERLINE RD, JUST N OF SACRAMENTO METRO AIRPORT.
Ardea alba	great egret	S4			CDF_S; IUCN_LC	DRY CREEK, 0.5 MILE SOUTH OF THE JUNCTION OF WEST 2ND STREET AND ASCOT AVENUE, RIO LINDA.
Ardea alba	great egret	S4			CDF_S; IUCN_LC	NORTH SIDE OF ROBLA CREEK, DIRECTLY NORTH OF KELTON WAY, RIO LINDA.
Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	S2.2				SACRAMENTO RIVER, JUST SOUTH OF SACRAMENTO SLOUGH.
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	S1	1B.1			APPROXIMATELY 4 MILES NE OF ROSEVILLE.
Legenere limosa	legenere	S2	1B.1		BLM_S; SB_UCBG	FLOODPLAIN OF PLEASANT GROVE CREEK, APPROX 2.2 AIR MILES E OF JCT PLACER BLVD & SPRR TRACKS.
Legenere limosa	legenere	S2	1B.1		BLM_S; SB_UCBG	N TRIBUTARY OF PLEASANT GROVE CREEK, N OF PLEASANT GROVE CREEK, S OF PLACER BLVD, E OF HWY 65.
Legenere limosa	legenere	S2	1B.1		BLM_S; SB_UCBG	NORTH SIDE OF ORCHARD CREEK, 1.4 MILES NW OF INTERSECTION OF INDUSTRIAL AND ATHENS AVE, 3 MILES SOUTHWEST OF LINCOLN.
Legenere limosa	legenere	S2	1B.1		BLM_S; SB_UCBG	EAST OF ROSE STREET & SOUTH OF MAGPIE DRAIN, ROBLA, JUST NORTH OF SACRAMENTO.
Legenere limosa	legenere	S2	1B.1		BLM_S; SB_UCBG	SOUTH OF ELVERTA ROAD AND 0.5 MILE SOUTHWEST OF GIBSON RANCH, RIO LINDA.
Legenere limosa	legenere	S2	1B.1		BLM_S; SB_UCBG	SW SIDE OF THE CITY OF LINCOLN; WEST OF THE JUNCTION OF EAGLESFIELD LANE AND REDCLIFFE LANE.
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	S1.1				NORTH OF DRY CREEK, SOUTH OF ASCOT AVE, JUST EAST OF WESTERN PACIFIC RR TRACKS, SACRAMENTO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	S3.1				SOUTH OF LINCOLN 2-3 MILES WEST OF HWY 65.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	S3.1				WEST OF MCCLELLAN AIR FORCE BASE BETWEEN MAGPIE CREEK & ASCOT AVE, NORTH OF SACRAMENTO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	S3.1				BOTH SIDES DOUGLAS BLVD <1 MILE WEST OF JUNCTION WITH SIERRA COLLEGE BLVD, ROSEVILLE.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	S3.1				JUST NORTH & EAST OF DIAMOND OAKS MUNICIPAL GOLF COURSE, ROSEVILLE, SOUTH BRANCH PLEASANT GROVE CREEK.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	S3.1				BETWEEN ELVERTA ROAD & U STREET, EAST OF 16TH STREET, WEST OF DRY CREEK, NE OF RIO LINDA.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	S3.1				LINCOLN NORTH VERNAL POOLS. WEST OF HWY 65 AT NORTHERN CITY LIMITS (1 MILE NORTH) OF LINCOLN.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	S3.1				ADJACENT TO SOUTH BRANCH (PLEASANT GROVE CREEK) ABOUT 1 MILE SW OF FIDDYMENT RANCH, ROSEVILLE.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	S1.1				BETWEEN DOUGLAS BLVD & MINERS RAVINE JUST EAST OF ROSEVILLE.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	S1.1				WEST OF ANTELOPE CREEK ON HILL EAST OF DIAMOND OAKS MUNICIPAL GOLF COURSE. ROCKLIN-ROSEVILLE BOUNDARY.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	S1.1				RIDGE BETWEEN MINERS RAVINE & SECRET RAVINE, VICINITY OF ROCKLIN-ROSEVILLE CORPORATE BOUNDARIES.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	S1.1				NORTH & WEST OF ROSEVILLE RESERVOIR, SE OF SECRET RAVINE, ROSEVILLE-ROCKLIN CORPORATE BOUNDARY.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	S1.1				LESS THAN 1 MILE NORTH OF DIAMOND OAKS MUNICIPAL GOLF COURSE, EAST OF HIGHWAY 65, ROCKLIN.
Antrozous pallidus	pallid bat	S3		SSC	BLM_S; IUCN_LC; USFS_S; WBWG_H	N DOWD RD BRIDGE OVER COON CREEK; 0.6 MI NW OF HWY 65 AT W WISE RD & 1.5 MI SW OF OLD HWY 65 AT NADER RD, NW OF LINCOLN.
Navarretia myersii ssp. myersii	pincushion navarretia	S2	1B.1			NORTHERN LIMITS OF LINCOLN, PLACER COUNTY.
Progne subis	purple martin	S3		SSC	IUCN_LC	JUST NORTH OF ARCADE CREEK, WHERE I-80 CROSSES ROSEVILLE ROAD, SACRAMENTO.
Progne subis	purple martin	S3		SSC	IUCN_LC	HIGHWAY 65 OVERPASS OVER TAYLOR ROAD, ON THE SOUTH EDGE OF ROCKLIN.
Progne subis	purple martin	S3		SSC	IUCN_LC	MARCONI AVENUE OVERPASS OF AUBURN BOULEVARD & UNION PACIFIC & SACRAMENTO LIGHT RAIL TRACKS, SACRAMENTO.
Progne subis	purple martin	S3		SSC	IUCN_LC	EL CAMINO OVERPASS OF UNION PACIFIC AND LIGHT RAIL TRACKS, SACRAMENTO.
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	S2	1B.1		BLM_S; USFS_S	APPROX 0.5 MI N OF SCOW RD INDUSTRIAL BLVD, ROSEVILLE.
Hydrochara rickseckeri	Ricksecker's water scavenger beetle	S2?				TWELVE BRIDGES PRESERVE, SOUTH OF LINCOLN.
Pogonichthys macrolepidotus	Sacramento splittail	S3		SSC	AFS_VU; IUCN_EN	SACRAMENTO RIVER FROM MISSOURI BEND N OF KNIGHTS LANDING TO S OF COURTLAND. ALSO, LOWER 10 MILES OF THE FEATHER RIVER.
Sagittaria sanfordii	Sanford's arrowhead	S3	1B.2		BLM_S	IN UNNAMED STREAM NORTH OF U ST BETWEEN 28TH ST AND THE OLD SEWAGE DISPOSAL SITE, NORTH HIGHLANDS.
Sagittaria sanfordii	Sanford's arrowhead	S3	1B.2		BLM_S	CITRUS HEIGHTS; ALONG CREEK JUST EAST OF FAIR OAKS BLVD BETWEEN OAK BLVD AND OLD AUBURN ROAD.
Sagittaria sanfordii	Sanford's arrowhead	S3	1B.2		BLM_S	ARCADE CREEK AND SHALLOW DITCH TO THE SOUTHEAST, JUST EAST OF THE NATOMAS EAST MAIN DRAINAGE CANAL, SACRAMENTO.
Sagittaria sanfordii	Sanford's arrowhead	S3	1B.2		BLM_S	EAST SIDE OF ROSEVILLE ROAD ABOUT 0.9 MILE FROM ANTELOPE ROAD, ANTELOPE.
Sagittaria sanfordii	Sanford's arrowhead	S3	1B.2		BLM_S	ROSEVILLE ROAD AT WHYTE AVE, JUST SOUTH OF SAC/PLA COUNTY LINE, ANTELOPE.
Sagittaria sanfordii	Sanford's arrowhead	S3	1B.2		BLM_S	HANSEN RANCH; SOUTH OF ASCOT AVE, EAST OF STEELHEAD CREEK & NORTH OF DRY CREEK, SOUTH OF RIO LINDA.
Egretta thula	snowy egret	S4			IUCN_LC	SMALL DRAINAGE CANAL CROSSING ELVERTA RD, APPROXIMATELY 600 M WEST OF POWERLINE RD, JUST N OF SACRAMENTO METRO AIRPORT.
Melospiza melodia	song sparrow ("Modesto" population)	S3?		SSC		SACRAMENTO.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	S2			AFS_TH	LOWER-MIDDLE SACRAMENTO RIVER, FROM SHERWOOD HARBOR (RM 55) TO COLUSA (RM 144).
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	S2			AFS_TH	LOWER FEATHER RIVER, FROM RM0 AT VERONA TO THE FISH BARRIER DAM AT FEATHER RIVER HATCHERY (FRH) AT RM67.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	S2			AFS_TH	DRY CREEK AND ITS TRIBUTARIES SECRET RAVINE AND MINERS RAVINE.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	S2			AFS_TH	AUBURN RAVINE UPSTREAM TO GOLD HILL DAM (=LOWER AUBURN RAVINE 1 DIVERSION DAM).
Fritillaria agrestis	stinkbells	S3	4.2			E OF ROSE ST, N OF ROOD RD. ABOUT 0.25 MI N OF ROBLA SCHOOL.
Fritillaria agrestis	stinkbells	S3	4.2			SW CORNER OF DRY CREEK ROAD AND ROOD ROAD. ABOUT 1.6 MI S OF RIO LINDA.
Fritillaria agrestis	stinkbells	S3	4.2			W SIDE OF NORTH ANTELOPE RD, 28 YARDS N OF PLACER/SACRAMENTO COUNTY LINE.
Fritillaria agrestis	stinkbells	S3	4.2			CARMICHAEL; AT NE CORNER OF WINDING WAY AND HACKBERRY STREET.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG THE SACRAMENTO RIVER FROM RM76.1 TO 78.3, FROM SANKEY RD TO 0.5 MI SOUTH OF RIEGO RD, SOUTH OF JOES LANDING.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	SACRAMENTO RIVER, FROM R74.8 TO RM75.6, ABOUT 0.75 MI N OF ELVERTA ROAD AT GARDEN HWY, NW OF SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NORTH OF DRY CREEK, ON EITHER SIDE OF DYER LN ABOUT 0.2 MILE WEST OF ITS JUNCTION WITH WATT AVENUE, NW OF ANTELOPE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG GARWOOD ROAD, BETWEEN GARDEN HIGHWAY AND LEE ROAD, SW OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG BOTH SIDES OF THE SACRAMENTO RIVER RM74, AT THE GARDEN HWY/ELVERTA RD JUNCTION, NW OF THE SACRAMENTO INTL AIRPORT.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG THE SACRAMENTO RIVER AT JOES LANDING (RM79), ABOUT 1 MILE ESE OF VERONA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	E SIDE OF LOCUST RD, ABOUT 0.4 MI S OF JACKSON RD JUNCTION & 1.5 MI NW OF BREWER RD AT BASELINE RD; N OF RIO LINDA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	SACRAMENTO RIVER, RM-79.70(L), AT VERONA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	E SIDE OF VERONA (NATOMAS) CROSS CANAL, ABOUT 0.25-0.5 MI NNW OF HOWSLEY RD AT PACIFIC AVE, 2.25 MI W OF PLEASANT GROVE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG THE VERONA (NATOMAS) CROSS CANAL, 0.25-0.6 MILES NE OF HWY 99 AT HOWSLEY RD, NW OF SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ABOUT 0.25-0.5 MI N OF THE HWY 70/HWY 99 SPLIT, ON EITHER SIDE OF HWY 99; 3.6 MILES SSE OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG LEE ROAD, ABOUT 0.5 MILE ESE OF THE GARDEN HIGHWAY JUNCTION, 2 MILES SW OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	BETWEEN I-5 AND SOUTH BAYOU WAY, 0.9 MILE EAST OF POWERLINE ROAD, SE OF SACRAMENTO METROPOLITAN AIRPORT.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG FARM ROAD ABOUT 0.6 MILE NW OF LEE RD AT POWER LINE ROAD AND 1.5 MILES SOUTH OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG WEST CATLETT ROAD JUST WEST OF HIGHWAY 99, ABOUT 4.8 MILES SSE OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	FARMSTEAD ON WEST SIDE OF POWER LINE RD, ABOUT 0.4 MILE S OF LEE RD JUNCTION AND 1.1 MILES NW OF HWY 99 AT STRIPLIN RD.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ABOUT 0.25 MI SW OF W ELKHORN BLVD AT LONE TREE RD, 1 MILE EAST OF THE SACRAMENTO INTERNATIONAL AIRPORT.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NORTH END OF FISHERMANS LAKE, WHERE IT INTERSECTS DEL PASO ROAD, 1 MILE WEST OF EL CENTRO ROAD, NORTH OF SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NE OF THE INTERSECTION OF I-5 AND POWERLINE ROAD, NORTH OF SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NORTH SIDE OF DEL PASO ROAD, 0.6 MILE EAST OF I-5, SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NORTH SIDE OF SAN JUAN ROAD, JUST EAST OF THE NORTHBOUND I-5 ONRAMP, NORTH NATOMAS AREA OF SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	N SIDE OF DYER LN, ABOUT 0.25 MI ENE OF TAN WOODS RD JUNCTION & 1.75 MI NNW OF WATT AVE AT ELVERTA RD, NW OF ANTELOPE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	VERONA CROSS CANAL, 1.5 MILES SW OF THE INTERSECTION OF HOWSLEY ROAD AND HIGHWAY 99, NW OF SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG CURRY CREEK, JUST EAST OF S BREWER RD; ABOUT 2 MILES NORTH OF BASELINE RD AT BREWER RD, WEST OF ROSEVILLE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	SOUTH SIDE OF WEST CATLETT ROAD, ALONG THE EAST SIDE CANAL LEVEE, 5 MILES SE OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG COON CREEK, ABOUT 0.1 MILE SE OF WARREN RD AT NICOLAUS AVE AND 1 MILE ESE OF TROWBRIDGE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG W WISE RD ABOUT 0.8 MI W OF DOWD RD INTERSECTION & 1.6 MI SE OF WHEATLAND RD AT WALTZ RD; SOUTH OF COON CREEK.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NORTH SIDE OF PLEASANT GROVE CREEK, JUST S OF STARWOOD CT AT TRADEWINDS DR IN BLUE OAKS DEVELOPMENT NW OF ROSEVILLE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG KING SLOUGH ABOUT 0.5 MILE SSE OF S BREWER RD AT E CATLETT RD AND 2 MILES NE OF PLEASANT GROVE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	S SIDE OF HOWSLEY RD, IN PLEASANT GROVE; ABOUT 2.1 MI SW OF E CATLETT RD AT S BREWER RD.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	S SIDE OF FIFIELD RD AND PLEASANT GROVE CREEK, ABOUT 0.4 MI W OF PLEASANT GROVE RD JUNCTION & 1.5 MI E OF NATOMAS RD.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NORTH SIDE OF SANKEY RD, ABOUT 0.1 MI NE OF NATOMAS RD INTERSECTION AND 0.6 MI WNW OF PLEASANT GROVE RD INTERSECTION.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	IN MEDIAN ISLAND AT HWY 99/70 SPLIT, ABOUT 1.1 MI WNW OF CATLETT RD AT PACIFIC AVE AND 3.8 MI NW OF PLEASANT GROVE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	EAST OF COON CREEK, ABOUT 0.5 MILE SSW OF POWER LINE RD AT STRIPLIN RD AND 3 MILES S OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	WEST SIDE OF GARWOOD ROAD JUST SW OF JUNCTION WITH PEACOCK LANE, ABOUT 2.2 MI SSW OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	SOUTH OF LOCUST ROAD, 0.2 MILE SOUTH OF THE INTERSECTION OF BROWNING STREET AND LOCUST ROAD, 2 MILES NORTH OF ELVERTA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG THE SOUTH SIDE OF COON CREEK, 0.2 MILE WEST OF HIGHWAY 70, 2 MILES SE OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	EAST EDGE OF AMERICAN BASIN, 1.1 MILES SW OF THE INTERSECTION OF ELKHORN BOULEVARD & WEST 6TH STREET, WEST OF RIO LINDA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG THE NORTH SIDE OF FIFIELD ROAD, ABOUT 0.1 MILE WEST OF NATOMAS ROAD AND 10 MILES NW OF SACRAMENTO.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	0.15 MILE NW OF THE INTERSECTION OF JOINER PARKWAY WITH NICOLAUS ROAD, NW LINCOLN.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	WEST SIDE OF PLEASANT GROVE RD, ABOUT 0.25 MILE SOUTH OF W RIEGO RD & 1 MILE NORTH OF RIO LINDA BLVD, NW OF RIO LINDA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	0.5 MILE NORTH OF THE CONFLUENCE OF THE FEATHER RIVER AND THE SACRAMENTO RIVER.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	WEST SIDE OF POWER LINE ROAD, ABOUT 0.1 MILE S OF THE HWY 99 (LAUREL AVE) INTERSECTION, 1.4 MILES SSE OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	WEST SIDE OF HIGHWAY 99, 0.5 MILE NW OF THE INTERSECTION OF HIGHWAY 99 AND POWERLINE ROAD, 0.9 MILE SOUTH OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	NICOLAUS CEMETERY, ON THE NORTH SIDE OF MARCUM ROAD, JUST SE OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	WEST SIDE OF COUNTRY ACRES LANE, 0.4 MILE NORTH OF BASELINE (RIEGO) ROAD, 5 MILES WEST OF ROSEVILLE.

CNDDB 10 Miles

December 2021

SNAME	CNAME	SRANK	RPLANTRANK	CDFWSTATUS	OTHRSTATUS	LOCATION
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	N SIDE OF CURRY CREEK, ABOUT 0.4 MI E OF S BREWER RD CROSSING & 2.1 MI NNE OF BASELINE RD AT BREWER RD, W OF ROSEVILLE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	0.25 MILE NE OF THE INTERSECTION OF WATTS AVENUE AND HIGHWAY 70, JUST NORTH OF EAST NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	0.2 MILE SOUTH OF MOORE ROAD AND 0.4 MILE EAST OF SOUTH DOWD AVENUE, AUBURN RAVINE, SW OF LINCOLN.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	VERONA CROSS CANAL, 0.2 MILE NW OF THE END OF POWERLINE ROAD, 2 MILES NE OF JOES LANDING ALONG THE SACRAMENTO RIVER.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	KASEBERG CREEK, 0.75 MILE E OF FIDDYMENT ROAD AND 0.25 MILE N OF PLEASANT GROVE BOULEVARD, E SIDE OF ROSEVILLE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG DRY CREEK, APPROXIMATELY 300' EAST OF THE NATOMAS EAST MAIN DRAINAGE CANAL, RIO LINDA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG DRY CREEK, BETWEEN RIO LINDA/MARYSVILLE BOULEVARD AND NATOMAS EAST MAIN DRAINAGE CANAL, IN RIO LINDA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG DRY CREEK SOUTH, JUST EAST OF RIO LINDA/MARYSVILLE BOULEVARD, RIO LINDA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG NW SIDE OF DRY CREEK SOUTH, JUST WEST OF THE RIO LINDA AIRPORT, RIO LINDA.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	JUST SOUTH OF THE HIGHWAY 99 BRIDGE OVER THE FEATHER RIVER, 0.85 MILE SOUTH OF NICOLAUS.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	ALONG PLEASANT GROVE CREEK, BETWEEN FIDDYMENT ROAD AND BLUE OAKS BOULEVARD, WEST SIDE OF ROSEVILLE.
Buteo swainsoni	Swainson's hawk	S3			BLM_S; IUCN_LC; USFWS_BCC	VERONA CROSS CANAL, 1.1 MILES SW OF THE HOWSLEY ROAD JUNCTION WITH HIGHWAY 99, NW OF SACRAMENTO.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	VICINITY OF VERONA, 5.5 MILES ESE OF KNIGHTS LANDING POST OFFICE.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	POTHOLE, SW OF VERONA.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	VICINITY OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	1.7 MI NE OF THE INTERSECTION OF I-5 & HWY 99, 6 MI NORTH OF SACRAMENTO.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	GENERAL AREA BETWEEN DRY CREEK RD AND PATROL ROAD, S OF ASCOT AVE, W OF MCCLELLAN AIR FORCE BASE, SE OF RIO LINDA.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	JUST WEST OF EAST LEVEE ROAD (NATOMAS DRAIN LEVEE ROAD), 0.2 MILE SOUTH OF THE SACRAMENTO COUNTY LINE, RIO LINDA.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 1 MILE NNW OF RIEGO RD & POWER LINE RD INTERSERCTION, 2.1 MI WSW OF HWY 99 & SANKEY RD INTERSECTION, JOES LANDING.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ON N SIDE OF TWELVE BRIDGES DR, ABOUT 2.7 MI E OF INTERSECTION WITH HWY 65, S OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	MARKHAM RAVINE, S SIDE OF MARCUM RD, 0.8 MI SW OF BREWER RD INTXN, 1.3 MI ESE OF PLEASANT GROVE RD INTXN, W OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	AROUND THE CONFLUENCE OF INGRAM SLOUGH & ORCHARD CREEK, ABOUT 1.0 MI NE OF FIDDYMENT RD AT E CATLETT RD, SW OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.7 MI N OF HWY 65 AT TWELVE BRIDGES DR, 0.9 MI S OF HWY 65 AT JOINER PKWY, S OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.5 MI S OF BREWER RD & NICOLAUS RD INTERSECTION, 1.4 MI N OF BREWER RD & MOORE RD INTERSECTION, W OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.7 MI SW OF CRITTER CREEK RD & NICOLAUS RD INTERSECTION, 0.8 MI SE OF NICOLAUS RD AT BREWER RD, W OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 1 MI ESE OF SUNSET BLVD AT PETTIGREW RD, 1 MI WSW OF SUNSET BLVD AT AMORUSO WAY, W OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 1 MILE SE OF HWY 65 & WISE RD INTERSECTION, 1.8 MI NW OF HWY 65 & GLADDING RD INTERSECTION, NW OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.4 MI ESE OF HWY 65 & WISE RD INTERSECTION, 2 MI E OF GLADDING RD & WISE RD INTERSECTION, NW OF LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	~0.2 MI WSW OF BRENTFORD CIR & FOREBRIDGE LN, 0.8 MI NW OF TWELVE BRIDGES DR & INDUSTRIAL AVE INTERSECTION, LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.2 MI S OF TWELVE BRIDGES DR & INDUSTRIAL AVE INTERSECTION, 0.6 MI N OF ATHENS RD AT INDUSTRIAL AVE, LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.3 MI SSW OF JOINER PKWY & DEL WEBB BLVD INTERSECTION, 0.6 MI SSE OF HWY 65 & JOINER PKWY INTERSECTION, LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.2 MI NNW OF HWY 65 & TWELVE BRIDGES DR INTERSECTION, 0.3 MI NE OF TWELVE BRIDGES DR AT INDUSTRIAL AVE, LINCOLN.
Agelaius tricolor	tricolored blackbird	S1S2		SSC	BLM_S; IUCN_EN; NABCI_RWL; USFWS_BCC	ABOUT 0.3 MI S OF MOORE RD AT PHEASANT WAY, 0.7 MI WSW OF FERRARI RANCH RD AT HWY 65 BYPASS, LINCOLN.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	S3				VICINITY OF BOARDMAN CANAL, BETWEEN I-80 AND SIERRA COLLEGE BLVD, N OF SECRET RAVINE PKWY, 1 MILE SE OF ROCKLIN PO.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	S3				VICINITY OF SACRAMENTO RIVER & FEATHER RIVER CONFLUENCE, ABOUT 0.5 MILE S OF VERONA, 0.8 MILE W OF JOE'S LANDING.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	S3				ALONG ROAD 16 ABOUT 0.2 MI W OF JUNCTION W/ COUNTY RD 117, 2.4 MI N OF ELVERTA RD & GARDEN HWY JCT, NW OF SACRAMENTO.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	VICINITY OF FIDDYMENT RD, FROM PLEASANT GROVE BLVD TO ABOUT 3 MILES NORTH, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	NORTH AND EAST OF LINCOLN MUNCIPAL AIRPORT, 2 TO 4 MILES NW OF LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	FROM AUBURN RAVINE TO 1 MILE SOUTH OF RAVINE, BETWEEN HIGHWAY 65 AND SUN CITY BLVD, LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	AITKEN RANCH MITIGATION BANK, ALONG AUBURN RAVINE SOUTH OF MOORE ROAD, N OF PLEASANT GROVE BLVD AND WEST OF DOWD AVE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	SOUTH OF ELKHORN BLVD, WEST OF WEST 6TH ST, EAST OF NATOMAS EAST MAIN DRAINAGE CANAL, SOUTHWEST OF RIO LINDA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ABOUT 1 MILE SSE OF THE INTERSECTION OF SANKEY ROAD AND PACIFIC AVENUE, EAST OF HIGHWAY 99, NW OF RIO LINDA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	BETWEEN EAST CATLETT RD AND SUNSET BLVD WEST, FROM ABOUT 1-2 MILES EAST OF SOUTH BREWER RD, 5 MILES SW OF LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	MOORE RANCH PRESERVE & ANTONIO MOUNTAIN RANCH; FROM ABOUT 0.7 MI NW TO 0.8 MI SE OF FIDDYMENT RD AT E CATLETT RD.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	FOSKETT RANCH OPEN SPACE PRESERVE & SWAINSONS PRESERVE, NW OF LINCOLN AND WEST OF HIGHWAY 65.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	MARINER CONSERVATION BANK; FROM 0 TO 0.9 MILE WEST OF N DOWD RD, ABOUT 1 MILE NORTH OF NICOLAUS RD, NW OF LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	LOCUST ROAD MITIGATION BANK, WEST SIDE OF LOCUST RD, 0.3 TO 0.7 MILE SE OF INTERSECTION WITH JACKSON RD, N OF RIO LINDA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	EASTRIDGE SOUTHERN WETLAND PRESERVE, JUST EAST OF HWY 65 (AT THE LINCOLN RODEO GROUNDS), 0.5 MILE SE OF LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	VICINITY OF FOOTHILLS BLVD FROM BLUE OAKS BLVD SOUTH ABOUT 0.7 MILE, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	WESTERN PLACER SCHOOLS CONSERVATION SITE, BETWEEN MARKHAM & AUBURN RAVINES, 0.5-1.5 MI W OF DOWD AVE, W OF LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	EAST SIDE OF WESTERN PACIFIC RAILROAD TRACKS, SOUTH OF JUNCTION OF ELVERTA RD AND SORENTO RD, 2.0 KM WEST OF ELVERTA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	BOTH SIDES OF S BREWER RD, 0.5 TO 0.8 MILE SOUTH OF SUNSET BLVD WEST, NORTH OF PLEASANT GROVE CREEK, NW OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	REASON FARMS ENVIRONMENTAL PRESERVE. WEST OF PETTIGREW ROAD AND NORTH OF PLEASANT GROVE CREEK.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	NORTHEAST OF CURRY CREEK AT SOUTH BREWER ROAD, ABOUT 3 MILES SOUTHEAST OF PLEASANT GROVE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	HIGHLAND RESERVE SOUTH OPEN SPACE JUST N & E OF DIAMOND OAKS MUNICIPAL GOLF COURSE, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	SWAINSONS PRESERVE, FROM ABOUT 0.5 MI WNW TO 0.8 MI NNW OF INTERSECTION OF LE BOURGET LN & RICKENBACKER LN, LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	WOODCREEK WEST WETLAND COMPENSATION AREA, S SIDE OF PLEASANT GROVE RD FROM ABOUT 0.1 TO 0.6 MI E OF FIDDYMENT RD.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.7 TO 1.4 MILES WNW OF THE INTERSECTION OF HAYDEN PARKWAY AND FIDDYMENT ROAD, NW OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ANTONIO MOUNTAIN RANCH PROPERTY, ABOUT 1.5 MILES E OF FIDDYMENT RD AT ATHENS AVE, BETWEEN INGRAM SLOUGH & ORCHARD CREEK.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	WEST SIDE OF INDUSTRIAL AVE, FROM INTERSECTION WITH TWELVE BRIDGES DRIVE TO 0.4 MILE NORTH OF THE INTERSECTION, LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	BETWEEN 16TH STREET AND PALLADAY ROAD, ABOUT 0.8 MILE NORTH OF ELVERTA ROAD, ELVERTA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	NORTH SIDE OF BLUE OAKS BLVD NEAR INTERSECTION WITH HAYDEN PARKWAY, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	BETWEEN KASEBERG & S BRANCH PLEASANT GROVE CKS; FROM ABOUT 0.1MI NNW-0.4MI SE PLEASANT GROVE BLVD AT COUNTRY CLUB DR.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	INGRAM SLOUGH; 3.2 KM ESE OF INTERSECTION OF MOORE ROAD AND FIDDYMENT ROAD; SSW OF LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ABOUT 0.35 MILE WEST OF PALLADAY ROAD AND 0.58 MILES SOUTH OF BASE LINE ROAD.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	JUST EAST OF LOCUST ROAD ABOUT 0.63 MILE SOUTH OF BASE LINE ROAD.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.2 TO 0.3 MILE NW AND NNW OF THE INTERSECTION OF ELVERTA ROAD AND 16TH STREET, ELVERTA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	1 MILE SW OF THE INTERSECTION OF FIDDYMENT ROAD AND PLEASANT GROVE CREEK, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	STANFORD RANCH OPEN SPACE PRESERVE, BOTH SIDES OF STANFORD RANCH ROAD, BETWEEN DELTA DRIVE AND DARBY ROAD, ROCKLIN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ORCHARD CREEK CONSERVATION BANK; ABOUT 0.6 MI NW OF INDUSTRIAL AVE AT ATHENS AVE, 1 MI SW OF CA-65 AT TWELVE BRIDGES RD.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.3 TO 0.5 MILE SE OF THE INTERSECTION OF INDUSTRIAL AVENUE AND JUSTICE CENTER DRIVE, WEST OF HIGHWAY 65, ROCKLIN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ALONG NATOMAS EAST MAIN DRAINAGE CANAL, WEST OF WESTERN AVENUE, BETWEEN SOUTH AVENUE AND SILVER EAGLE ROAD, SACRAMENTO.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	SOUTH SIDE OF SUNSET BLVD WEST, JUST WEST OF ITS INTERSECTION WITH AMORUSO WAY, NW OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	WEST OF HIGHWAY 65, JUST EAST AND SE OF THE INTERSECTION OF ATHENS AVE AND INDUSTRIAL AVE, NW OF ROCKLIN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	HIGHLAND RESERVE SOUTH; S SIDE OF HWY 65, ABOUT 0.5 MILE NW OF THE PLEASANT GROVE BLVD OVERPASS.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.5 TO 0.7 MILE SE OF INTERSECTION OF SUNSET BLVD WEST AND AMORUSO WAY, NW OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.5 MILE WEST OF THE JUNCTION OF WEST 6TH STREET AND "U" STREET, RIO LINDA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.3 MILE NORTH OF THE INTERSECTION OF NICOLAUS ROAD AND JOINER PARKWAY, WEST OF THE SAWMILL, LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.1 AIR MILE EAST OF COOK RIOLO RD AT GLEN LN INTERSECTION, JUST NORTH OF CREEKVIEW RANCH SCHOOL, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	MOORE RANCH PROPERTY, 0.8 MILE NORTH OF PLEASANT VALLEY ROAD, SOUTH OF AUBURN RAVINE, 7 MILES NNW OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.25 MILE SOUTH OF ELVERTA ROAD AND 0.4 MILE EAST OF SORENTO ROAD, WEST OF ELVERTA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	SILVERADO OAKS MITIGATION SITE, ABOUT 0.2 MI NW OF WOODCREEK OAKS BLVD AT JUNCTION BLVD AND 3 MI WNW OF ROSEVILLE PO.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.2 MILE SW OF ROSEVILLE RES, 1.1 MILES S OF JCT TAYLOR RD & SUNSET BLVD, 2.2 MILES SW OF SIERRA COLLEGE, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.8 MILE SW OF ROSEVILLE RESERVOIR, 1.3 MI S OF JCT TAYLOR RD & SUNSET BLVD, 2.6 MILES SW OF SIERRA COLLEGE, ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	SW OF LINCOLN, 0.15 MILE SOUTH OF MOORE ROAD AND 0.25 MILE NW OF INGRAM SLOUGH.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	STANFORD RANCH NORTH, 0.75 MILE NNE JCT OF SUNSET BLVD & HWY 65, 1.8 MILES WSW OF TELEGRAPH HILL, 4 MI N OF ROCKLIN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.2 MILE SE OF INTERSECTION OF ASCOT AVE AND 20TH STREET, WEST SIDE OF MCCLELLAN AIRFIELD, SACRAMENTO.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ABOUT 250' NE OF NELSON LN AT ROCKWELL LN, 0.7 MILE SW OF NICOLAUS RD AT WAVERLY DR IN LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	WEST SIDE OF RAILROAD TRACKS, 0.7 MILE SW OF THE INTERSECTION OF PLEASANT GROVE RD AND SANKEY RD, WEST OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ALONG PLEASANT GROVE ROAD, 0.5 MILE NORTH OF RIEGO ROAD, NORTH OF RIO LINDA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ALONG THE SOUTHWEST SIDE OF LINCOLN BLVD, JUST NORTH OF THE GLADDING RD JUNCTION, LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	WRSP OPEN SPACE PRESERVE; ABOUT 0.1 MI SSE OF HAYDEN PKWY AT BOB DOYLE DR & 0.6 MI WNW OF FIDDYMENT RD AT PHILLIPS RD.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ABOUT 0.7 MILE NE OF FIDDYMENT RD AT SUNSET BLVD WEST AND 1 MILE SW OF ATHENS AVE AT N FOOTHILLS BLVD, NW OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	MCCLELLAN BUSINESS PARK, 0.2 MILE ESE OF THE INTERSECTION OF DUDLEY BLVD AND FORCUM AVENUE, SACRAMENTO.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ABOUT 0.5 MILE NNW OF INTERSECTION OF ELVERTA ROAD AND RIVERGREEN DR AND 0.6 MILE SSE OF KASSER RD AT 16TH ST, ELVERTA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	AT THE NORTHWEST CORNER OF PALLADAY ROAD AND ELVERTA ROAD IN ELVERTA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.5 MILE WSW OF THE INTERSECTION OF SUNSET BLVD WEST AND SOUTH BREWER ROAD, NEAR PLEASANT GROVE, NW OF ROSEVILLE.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ALONG THE RR TRACKS ON NW SIDE OF ROSEVILLE RD ABOUT 450' N OF THE I-80 OVERPASS, 0.6 MI S OF DUDLEY BLVD AT FORCUM AVE.

CNDDB 10 Miles

December 2021

SNAME	CNAME	SRANK	RPLANTRANK	CDFWSTATUS	OTHRSTATUS	LOCATION
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	ALONG UNION PACIFIC RAILROAD (USED TO BE WESTERN PACIFIC RR?); 0.2 MILE SOUTH OF ELKHORN BLVD, RIO LINDA.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	APPROX. 1500 FEET NORTHEAST OF NATOMAS EAST MAIN DRAINAGE CANAL AT DRY CREEK; 700 FEET SE OF ASCOT AVE AT WEST 6TH ST.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	2.1 KM SOUTHWEST OF LINCOLN IN INGRAM SLOUGH, 1.5 KM WSW OF INTERSECTION OF MOORE ROAD AND HIGHWAY 65.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	NNW OF ROSEVILLE IN INGRAM SLOUGH; 0.4 KM WEST OF INTERSECTION OF HIGHWAY 65 AND INDUSTRIAL BLVD.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	2 MILES SE OF THE LINCOLN RODEO GROUNDS, ABOUT 3 MILES SSE OF LINCOLN.
Branchinecta lynchi	vernal pool fairy shrimp	S3			IUCN_VU	0.6 MILES ENE OF BREWER RD AT SUNSET BLVD, PLEASANT GROVE, NW OF ROSEVILLE.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	SOUTHWEST OF THE INTERSECTION OF PLEASANT GROVE ROAD AND HOWSLEY ROAD.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	SOUTHWEST OF THE INTERSECTION OF PLEASANT GROVE ROAD AND SANKEY ROAD.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	WEST OF MCCLELLAN AIR FORCE BASE BETWEEN MAGPIE CREEK & ASCOT AVE, DEL PASO, NORTH OF SACRAMENTO.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	BETWEEN MARKHAM AND AUBURN RAVINES, FROM ABOUT 0.1 TO 0.9 MILE S OF WILLIAM LN AND 0.5 TO 0.9 MILE W OF S DOWD RD.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	BETWEEN KASEBERG CREEK & SOUTH BRANCH PLEASANT GROVE CREEK; ABOUT 0.6 MILE SW OF FOOTHILLS BLVD AT PLEASANT GROVE BLVD.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	ALONG INDUSTRIAL AVE (=LINCOLN BLVD), ABOUT 0.3 MILE SSW OF THE LINCOLN BYPASS (=HWY 65) OVERPASS, SSW OF LINCOLN.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	1.7 KM S OF HWY 70 AT MARCUM ROAD, ON W SIDE OF HIGHWAY AND E OF OLD RAILROAD GRADE; 45 FT W OF HWY SHOULDER.
Lepidurus packardi	vernal pool tadpole shrimp	S3S4			IUCN_EN	IMMEDIATELY N OF MARCUM ROAD INTERSECTION WITH STATE ROUTE 70. BETWEEN HWY 70 AND ABANDONED RR GRADE W OF HWY 70.
Emys marmorata	western pond turtle	S3		SSC	BLM_S; IUCN_VU; USFS_S	MCCLELLAN AFB. DON JULIO CREEK ABOUT 1.4 KM NE OF THE INTERSECTION OF MAIN AVE & RALEY BLVD.
Gonidea angulata	western ridged mussel	S1S2				SACRAMENTO.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	NEAR THE INTERSECTION OF WOODCREEK OAKS BLVD AND PLEASANT GROVE BLVD, WOODCREEK OAKS SUBDIVISION IN WESTERN ROSEVILLE.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	ALONG MOORE ROAD, BETWEEN 1.2 AND 0.5 MILES WEST OF S DOWD ROAD, WEST OF LINCOLN.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	ON SOUTH SIDE OF EAST CATLETT ROAD, JUST WEST OF FIDDYMENT ROAD, SW OF LINCOLN.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	ON SOUTH SIDE OF MOORE RD, ABOUT 0.5 MILE EAST OF ITS INTERSECTION WITH S DOWD RD, WEST OF LINCOLN.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	ALONG EAST CATLETT ROAD NEAR ITS INTERSECTION WITH AITKEN ROAD, SW OF LINCOLN.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	UNNAMED TRIBUTARY TO PLEASANT GROVE CREEK VICINITY OF BOBDOYLE DR AT HAYDEN PKWY, WESTPARK NEIGHBORHOOD OF ROSEVILLE.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	POOLS ADJACENT TO RAILROAD TRACKS NEAR TAYLOR ROAD, 0.4 MILE SOUTH OF SEWAGE DISPOSAL PONDS, ROSEVILLE.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	N DOWD RD, 1.1 MILES NORTH OF ITS INTERSECTION WITH NICOLAUS RD, WEST OF LINCOLN.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	S DOWD RD, JUST NORTH OF ITS INTERSECTION WITH MOORE RD, WEST OF LINCOLN.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	EAST CATLETT ROAD, 0.7 MILE WEST OF ITS INTERESCTION WITH FIDDYMENT ROAD, SWOF LINCOLN
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	TRIBUTARY TO KASEBERG CREEK, 1.3 MILES NE OF JCT BASE LINE & FIDDYMENT ROADS, ROSEVILLE.
Spea hammondii	western spadefoot	S3		SSC	BLM_S; IUCN_NT	BEND IN PHILLIP ROAD, 1.5 MILE W OF JCT WITH FIDDYMENT ROAD, 0.3 MILE WEST WHERE ROAD PARALLELS PLEASANT GROVE CREEK.
Coccyzus americanus occidentalis	western yellow-billed cuckoo	S1			BLM_S; NABCI_RWL; USFS_S; USFWS_BCC	SACRAMENTO.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	ALONG DON JULIO CREEK, ABOUT 1.4 KM NE OF THE INTERSECTION OF MAIN AVENUE AND RALEY BOULEVARD, MCCLELLAN AIR FORCE BASE.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	JUST WEST OF WHERE THE SACRAMENTO NORTH BIKE TRAIL CROSSES DRY CREEK SOUTH, RIO LINDA.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	JUST SE OF THE DRY CREEK CONVERGENCE WITH NEMDC, DEL PASO.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	ALONG ROBLA CREEK, JUST UPSTREAM OF THE MAGPIE CREEK DIVERSION CHANNEL CONFLUENCE, SW OF RIO LINDA AIRPORT.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	NE OF THE INTERSECTION OF SOTNIP AND TUNIS, JUST WEST OF NEMDC, DEL PASO.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	JUST SOUTH OF WHERE DRY CREEK CONVERGES WITH NEMDC, BETWEEN NEMDC AND THE WESTERN PACIFIC RAILROAD TRACKS, DEL PASO.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	0.2 MILE EAST OF DRY CREEK ROAD, BETWEEN E STREET AND ROBLA CREEK, RIO LINDA.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	JUST NE OF WHERE ROBLA CREEK CONVERGES WITH THE NEMDC, BETWEEN NEMDC AND THE WESTERN PACIFIC RAILROAD TRACKS, DEL PASO.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	ON THE WEST SIDE OF THE SOUTH BRANCH OF PLEASANT GROVE CREEK, BETWEEN FOOTHILLS BLVD AND WOODCREEK OAKS BLVD, ROSEVILLE.
Elanus leucurus	white-tailed kite	S3S4		FP	BLM_S; IUCN_LC	WOODBRIDGE PARK, EAST SIDE OF LINDA CREEK, 0.5 MILE SOUTH OF OLD AUBURN ROAD, ORANGEVALE.
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	S3	1B.2		SB_CalBG/RSABG; SB_UCBG	WEST SIDE OF EAST SIDE CANAL, ON EAST SIDE OF PACIFIC AVE, 0.5-1.0 MILE NORTH OF CATLETT RD.

CNDDB 10 Miles

December 2021

SNAME	CNAME	LOCDETAILS
Juncus leiospermus var. ahartii	Ahart's dwarf rush	MAPPED 0.85 MILE NORTH OF NICHOLAS ROAD AND 0.3 MILE SOUTH OF HIGHWAY 65 WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 9. SITE IS WEST OF CLAY PIPE FACTORY ON HWY 65.
Alkali Meadow	Alkali Meadow	
Alkali Seep	Alkali Seep	
Andrena subapasta	An andrenid bee	EXACT LOCATION UNKNOWN; SPECIMEN LOCALITY STATES "FAIR OAKS."
Andrena subapasta	An andrenid bee	RECORD DATES FROM 1932, SO OLDER AREA OF ROSEVILLE MAPPED.
Riparia riparia	bank swallow	RIGHT SIDE OF RIVER BANK. LOCATION MAPPED USING THE BIOS SHAPEFILE (ID=138).
Riparia riparia	bank swallow	
Balsamorhiza macrolepis	big-scale balsamroot	MAPPED BY CNDDB IN VICINITY OF LINCOLN.
Balsamorhiza macrolepis	big-scale balsamroot	US HWY 99E WAS REPLACED BY CA HWY 65. HWY 65 WAS BUILT PARALLEL TO THE ROUTE OF HWY 99E, ABOUT 0.4 MILE EAST OF THE RAILROAD. MAPPED BY CNDDB NON-SPECIFICALLY ALONG INDUSTRIAL AVE AND THE RAILROAD TRACKS AS A BEST GUESS.
Nycticorax nycticorax	black-crowned night heron	ALTHOUGH NO NESTS COULD BE SEEN, APPROXIMATELY 120 BIRDS (50 ADULTS AND 70 JUVENILES) WERE FLUSHED FROM THE TREES.
Nycticorax nycticorax	black-crowned night heron	THE NIGHT HERON ROOKERY OCCURS WITHIN THE PORTION OF THE CREEK THAT IS STILL FLOWING WITHIN A NATURAL DRAINAGE - IMMEDIATELY UPSTREAM AND DOWNSTREAM, THE CREEK HAS BEEN REALIGNED AND CHANNELIZED.
Gratiola heterosepala	Boggs Lake hedge-hyssop	FOUND OPPOSITE OF MAIL BOX MARKED "CASE." EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDB ALONG U STREET.
Gratiola heterosepala	Boggs Lake hedge-hyssop	THIS VERNAL POOL COMPLEX IS THE BEST EXAMPLE OF VOLCANIC MUDFLOW VERNAL POOLS IN ROSEVILLE (STROMBERG 1987). INCLUDES FORMER OCCURRENCE #17.
Gratiola heterosepala	Boggs Lake hedge-hyssop	700 FT EAST OF HWY 65.
Gratiola heterosepala	Boggs Lake hedge-hyssop	MAPPED AS 2 POLYGONS IN SW1/4 OF NW1/4 SEC 31.
Gratiola heterosepala	Boggs Lake hedge-hyssop	MAPPED IN THE SE 1/4 OF THE NW 1/4 OF SECTION 14 ACCORDING TO LAT/LONG COORDINATES PROVIDED BY FISHER.
Athene cunicularia	burrowing owl	COLLECTION FROM "HAGGIN'S RANCH, 5 MILES NORTH OF SACRAMENTO". THIS IS NOW THE HAGGINWOOD NEIGHBORHOOD OF SACRAMENTO.
Athene cunicularia	burrowing owl	THREE SETS OF BURROWS AT THIS SITE; ONE SET LOCATED ADJACENT TO WPRR TRACKS, ONE ADJACENT TO SOME VERNAL POOLS, AND ONE ADJACENT TO 6TH AND "U" STREETS.
Athene cunicularia	burrowing owl	JAN 1991: OWLS LOCATED ALONG DRAINAGE DITCH.
Athene cunicularia	burrowing owl	W FEATURE: EXTENSIVE BURROW NETWORK, WITH AT LEAST 2 TO 3 FAMILY GROUPS OBSERVED SOUTH OF ELKHORN BLVD. NORTH OF ELKHORN BLVD, THE BURROWS ARE FOUND ON THE BANKS OF AN IRRIGATION DITCH. BU= BURROW.
Athene cunicularia	burrowing owl	IN 2007 THE BURROWS ON CONSTUCTION SIDE CLOSED WITH ONE-WAY DOORS. OWLS MOVED TO GROUND SQUIRREL BURROWS ON THE WEST (WET) SIDE OF THE LEVEE WHICH IS THE OPPOSITE SIDE OF THE CANAL; THESE WILL BE MONITORED DURING THE CONSTRUCTION SEASON.
Athene cunicularia	burrowing owl	
Athene cunicularia	burrowing owl	MAPPED TO PROVIDED COORDINATES. JAN & FEB BURROWS CONSISTED OF GROUND SQUIRREL BURROWS ON W SIDE OF CANAL & EAST (OR WET) SIDE OF LEVEE (NON-CONSTRUCTION SIDE). JUNE DETECTIONS WERE ON E SIDE OF THE CANAL.
Athene cunicularia	burrowing owl	THE BURROWS ON THE CONSTUCTION SIDE WERE CLOSED WITH ONE-WAY DOORS. THE 4 SITES ARE GROUND SQUIRREL BURROWS ON THE WEST (OR WET) SIDE OF THE LEVEE WHICH IS THE OPPOSITE SIDE OF THE CANAL AND WILL BE MONITORED DURING THE CONSTRUCTION SEASON.
Athene cunicularia	burrowing owl	MAPPED TO PROVIDED COORDINATES.
Athene cunicularia	burrowing owl	UNFINISHED HIGH-DENSITY HOUSING DEVELOPMENT SITE JUST WEST OF ARCO ARENA, NEAR THE CORNER OF BENEFIT WAY AND E COMMERCE WAY; INFRASTRUCTURE SET (UNDERGROUND UTILITIES, FOUNDATIONS), BUT NO STRUCTURES YET (2012).
Athene cunicularia	burrowing owl	MAPPED TO PROVIDED COORDINATES. 2006: BURROW WAS IN A FLOOD CONTROL LEVEE, NEAR TOP ON WEST SIDE (SE PART OF FEATURE); OWLS WERE SEEN PERCHED ON CALTRANS YARD FENCE.
Athene cunicularia	burrowing owl	MAPPED ACCORDING TO MAPS PROVIDED BY SOURCE.
Athene cunicularia	burrowing owl	MAPPED TO PROVIDED COORDINATES. 2003: SE FEATURE; SEVERAL LARGE BURROWS ON CANAL BANK. 2006: NW FEATURE.
Athene cunicularia	burrowing owl	MAPPED TO PROVIDED COORDINATES.
Athene cunicularia	burrowing owl	
Athene cunicularia	burrowing owl	0.70 MILES NORTH OF ELKHORN BLVD AND 75 FT WEST OF SR 99.
Athene cunicularia	burrowing owl	LOCATED ON MOORE RANCH WETLAND RESTORATION PROJECT PROPERTY.
Athene cunicularia	burrowing owl	
Athene cunicularia	burrowing owl	BURROW SITES WERE LOCATED ON A GRASSY KNOLL ADJACENT TO PARKING LOT H, AS WELL AS IN SMALL ISLANDS OF VEGETION WITH THE PARKING LOTS.
Athene cunicularia	burrowing owl	PEA: DESCRIBED AS "THE TRUXEL TO WEST BOUND 80 ON RAMP." WIL: COORDS PROVIDED. MAPPED TO WIL COORDINATES.
Athene cunicularia	burrowing owl	MAPPED TO PROVIDED COORDINATES.
Athene cunicularia	burrowing owl	BURROW SITE IS LOCATED NEXT TO A RUSTY MANHOLE COVER, 50-60 FEET NORTH OF DEL PASO ROAD.
Athene cunicularia	burrowing owl	BURROWS ARE LOCATED BETWEEN A CONCRETE-LINED IRRIGATION CANAL AND AN AIRPORT SERVICE ROAD (GRAVELLED), AT THE NORTH END OF THE AIRPORT.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	BASELINE BREWER MITIGATION SITE; 46 WATERBODIES WERE SAMPLED DURING FEBRUARY AND MARCH 1996. MAPPED TO PROJECT BOUNDARY (LOWER 3/4 OF SECTION 20); EXACT WATERBODY LOCATIONS UNKNOWN.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	HEWLETT PACKARD-210 ACRE PROPERTY. 1996: TOTAL OF 43 WATERBODIES SURVEYED.
Linderiella occidentalis	California linderiella	MOORE RANCH. LOCATED IN NW1/4 SEC 31 & NE1/4 SEC 36.
Linderiella occidentalis	California linderiella	MOST OF THE NW AND BOTTOM HALF NE PORTIONS OF ORCHARD CREEK MITIGATION BANK. MAJORITY OF VERNAL POOLS ARE ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS. MORE MAP DETAIL IN REPORT. 170 OF THE 694 EXISTING POOLS WERE SAMPLED.
Linderiella occidentalis	California linderiella	LINCOLN CROSSING MITIGATION SITE. COVERS PORTIONS OF SEVERAL SECTIONS. 1995: 10 TOTAL WATERBODIES SURVEYED. 1996: 42 TOTAL WATERBODIES SURVEYED. 1997: 49 TOTAL WATERBODIES SURVEYED. 1998: 20 TOTAL WATERBODIES SURVEYED.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	HEWLETT PACKARD-90 ACRE PARCEL. 1995 AND 1996: TOTAL OF 103 WATERBODIES SURVEYED EACH YEAR.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	FOOTHILL BUSINESS PARK MITIGATION SITE, PARCELS 1, 6. POOL LOCATIONS NOT GIVEN FOR LINDERIELLA OCCIDENTALIS. 1995:12 POOLS SURVEYED. 1996:14 POOLS SURVEYED. 1998:13 POOLS SAMPLED. 2003:4 POOLS SAMPLED,OBS IN POOL 8. 2005: 10 POOLS SAMPLED.
Linderiella occidentalis	California linderiella	COLEMAN PROPERTY. ENTIRE PROJECT SITE WAS MAPPED SINCE REPORT DID NOT SHOW EXACT LOCATION OF ONE VERNAL POOL AND ONE SEASONAL WETLAND CONTAINING L. OCCIDENTALIS.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	14 WATER BODIES WERE SAMPLED ON 2/9,10,27 & 3/14/95. LINDERIELLA WAS FOUND IN THIS POOL & 2 OTHERS ON 2/9/95. IN 5 POOLS ON 2/10, IN 1 POOL ON 2/27 & 1 POOL ON 3/14/95. THE LOCATIONS OF THE OTHER POOLS WAS NOT GIVEN.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATIONS OF POOLS WF95-105 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	WOODCREEK WEST WETLAND COMPENSATION AREA. ABOUT 25% OF THE POOLS WERE SAMPLED (22 IN 2001, 23 IN 2002, 22 IN 2005, 25 IN 2006 - BOTH CONSTRUCTED & HISTORIC). L. OCCIDENTALIS FOUND IN 14 OF 23 POOLS IN 2002 & 13 OF 22 POOLS IN 2005.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATIONS OF POOLS WF041 & WF048 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	1995: 15 TOTAL WETLANDS SAMPLED BETWEEN PARCELS 32 (EO #390) & 72 (EO#111, THIS OCCURRENCE). 1996: 10 SAMPLED. 1997: 13 SAMPLED. PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	1997: SPECIES OBS IN 9 OF 17 POOLS SAMPLED. 1998: SP OBS IN 2 OF 9 POOLS SAMPLED. 1999: SP OBS IN 2 OF 11 POOLS SAMPLED. 2004: SP OBS IN 1 OF 11 POOLS SAMPLED. 2005: SP OBS IN 2 OF 10 POOLS SAMPLED. 2006: SP OBS IN 1 OF 12 POOLS SAMPLED.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS, #111, M052, M073, M076, M95A (=MCC95A), M95B (=MCC95B), & M131.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	HIGHLAND RESERVE SOUTH.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATIONS OF POOLS OW217 & OW219 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	WOODCREEK NORTH OPEN SPACE PRESERVE/WETLAND COMPENSATION AREA.
Linderiella occidentalis	California linderiella	THE SITE ENCOMPASSES ABOUT 231 ACRES & HAS ABOUT 236 VERNAL POOLS. 36 POOLS WERE SAMPLED DURING 1995. 15 IN 1994 & 2 IN 1993. SOME POOLS THAT HAD LINDERIELLA ONE YEAR DIDN'T HAVE THEM THE FOLLOWING YEAR.
Linderiella occidentalis	California linderiella	POOL NUMBERS 321, 330, 342, 357, 396, AND 401.
Linderiella occidentalis	California linderiella	1995: 15 TOTAL WETLANDS SAMPLED BETWEEN PARCELS 32 (EO#390, THIS OCCURRENCE) & 72 (EO#111). PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATIONS OF POOLS WF106 & WF066 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATIONS OF POOLS OW127 & WF094 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	LOCATION DESCRIBED AS A DITCH BETWEEN RAILROAD AND FENCE; SW CORNER OF WISE RD AND HWY 65 [OLD HWY 65 BEFORE NEW BYPASS CREATED], 5.4 KM N OF LINCOLN.
Linderiella occidentalis	California linderiella	JUST SOUTH OF ORCHARD CREEK, ORCHARD CREEK MITIGATION BANK. MAJORITY OF VERNAL POOLS ARE ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS. MORE MAP DETAIL IN REPORT.
Linderiella occidentalis	California linderiella	HIGHLAND RESERVE SOUTH OPEN SPACE AREAS. POOLS LOCATED 0.28 MILE NORTH OF THE INTERSECTION OF ROSEVILLE PARKWAY AND GIBSON DRIVE, SOUTH SIDE OF DRAINAGE.
Linderiella occidentalis	California linderiella	HIGHLAND RESERVE SOUTH.
Linderiella occidentalis	California linderiella	POTENTIAL SITE FOR THE NEW GRANT HIGH SCHOOL.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATION OF POOL WF080 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATION OF POOL WF037 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	MAPPED TO LOCATIONS OF POOL HBC4C FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.
Linderiella occidentalis	California linderiella	POOL #567, WEST OF HAYDEN PARKWAY. MAPPED 0.2 MILE WEST OF FIDDYMENT RANCH.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	THE LINCOLN COMMUNICATIONS FACILITY ENCOMPASSES ABOUT 231 ACRES WITH ABOUT 236 VERNAL POOLS. 36 POOLS WERE SAMPLED DURING 1995. LINDERIELLA WAS FOUND IN ONLY 6 POOLS.
Linderiella occidentalis	California linderiella	THE SITE ENCOMPASSES ABOUT 231 ACRES WITH 236 VERNAL POOLS. 36 POOLS WERE SAMPLED IN 1995, 15 WERE SAMPLED IN 1994 & 2 IN 1993. POOL #205 HAD LINDERIELLA IN BOTH 1994 & 1995.
Linderiella occidentalis	California linderiella	1995-18 SEASONAL WETLAND/VERNAL POOL HABITATS SURVEYED; POOLS RANGED IN SIZE FROM 65 TO 9,920 SQ. FT; LINDERIELLA WAS FOUND IN SW-4. 1996-9 SEASONAL WETLAND/VERNAL POOL HABITAT SURVEYED; LINDERIELLA ONLY OBSERVED IN SW-4.
Linderiella occidentalis	California linderiella	
Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	MOST SUMMER HOLDING, SPAWNING & REARING IS IN UPPER REACHES= LOW FLOW CHANNEL (LFC) (FISH BARRIER DAM TO THERMALITO AFTERBAY OUTLET). THE HIGH FLOW CHANNEL (HFC) BELOW THE OUTLET HAS VARIABLE FLOWS=POTENTIAL FOR STRANDING & REDD DEWATERING.
Branchinecta conservatio	Conservancy fairy shrimp	MAPPED BY CNDDB ACCORDING TO COORDINATES GIVEN ON FIELD SURVEY FORM AND LOCATION OF POOL 183/184 FROM 2012 REPORT.
Downingia pusilla	dwarf downingia	SPECIES OCCURS IN SIX VERNAL POOLS WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 36.
Downingia pusilla	dwarf downingia	SWALE WITHIN THE NORTHWEST CORNER OF PASTURE. SW 1/4 OF NE 1/4 OF SECTION 6.
Downingia pusilla	dwarf downingia	
Downingia pusilla	dwarf downingia	
Downingia pusilla	dwarf downingia	SEVERAL POOLS MAPPED IN SEVEN POLYGONS AT CNDDB, ABOUT 0.5 MILE SOUTH OF PHILIP ROAD. POOLS ARE NEAR THE CENTER OF THE SOUTH HALF OF SECTION 23 AND SOUTH INTO THE NORTH HALF OF SECTION 26.

CNDDB 10 Miles
December 2021

SNAME	CNAME	LOCDETAILS
Downingia pusilla	dwarf downingia	MAPPED ABOUT 0.6 AIR MILE SSW OF THE LINCOLN RODEO GROUNDS. WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 28 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 27.
Downingia pusilla	dwarf downingia	TWO POOLS MAPPED ABOUT 0.5 MILE SOUTHWEST OF CLAYTON IN THE SW 1/4 OF THE NW 1/4 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 9.
Downingia pusilla	dwarf downingia	FIVE POOLS MAPPED IN THREE POLYGONS AT CNDDB, JUST SOUTH OF PHILIP ROAD. POOLS ARE WITHIN THE NW 1/4 NW 1/4 SECTION 23 AND THE NE CORNER OF SECTION 22.
Downingia pusilla	dwarf downingia	FOUR POOLS MAPPED WITHIN THREE POLYGONS AT CNDDB, ABOUT 1 MILE WEST OF ELBOW IN FIDDYMENT ROAD. POOLS ARE WITHIN THE WEST HALF OF THE NW 1/4 OF SECTION 24.
Downingia pusilla	dwarf downingia	3 POLYGONS MAPPED ACCORDING TO 1987 STROMBERG MAPS AND 2013 VOLLMAR DIGITAL DATA.
Downingia pusilla	dwarf downingia	MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 32.
Downingia pusilla	dwarf downingia	MAPPED APPROXIMATELY 0.8 MILE NNW OF THE INTERSECTION OF DOWD AVENUE AND MOORE ROAD WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 23.
Downingia pusilla	dwarf downingia	VERNAL POOL SOUTH OF DIRT DRIVEWAY. IN THE NW 1/4 OF THE SE 1/4 OF SECTION 9.
Downingia pusilla	dwarf downingia	APPROXIMATELY 600 FEET WEST OF EAST LEVEE ROAD IMMEDIATELY SOUTH OF TWIN TRANSMISSION LINE TOWERS. WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 25.
Downingia pusilla	dwarf downingia	VERNAL POOL ON SOUTH SIDE OF GRAVEL ACCESS ROAD TO PRIVATE PROPERTY. WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 24.
Downingia pusilla	dwarf downingia	DELANO ROAD IS JUST SOUTH OF ELVERTA ROAD AND NORTH OF U STREET.
Downingia pusilla	dwarf downingia	LOCATED ABOUT 0.5 MILE SOUTHWEST OF GIBSON RANCH COUNTY PARK, NORTH OF DRY CREEK.
Downingia pusilla	dwarf downingia	LOCATED 700 FEET EAST OF HIGHWAY 65 AND 0.7 MILE NORTH OF ENTRANCE TO CLAY PIT. WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 4.
Downingia pusilla	dwarf downingia	TWO POOLS MAPPED BY CNDDB; JUST NORTH OF PHILIP ROAD ABOUT 0.9 MILE WEST OF FIDDYMENT ROAD. POOLS ARE WITHIN THE SW 1/4 SW 1/4 SECTION 24.
Downingia pusilla	dwarf downingia	MAPPED IN THE NORTH HALF OF THE SE 1/4 OF SECTION 14 ACCORDING TO A 2006 MAP BY FISHER.
Downingia pusilla	dwarf downingia	3 POLYGONS MAPPED ACCORDING TO 2013 VOLLMAR DIGITAL DATA, IN THE SOUTH 1/2 OF THE NW 1/4 OF SECTION 32.
Downingia pusilla	dwarf downingia	MAPPED IN SINGLE POOL ABOUT 0.35 MILE WEST OF ELBOW IN FIDDYMENT ROAD. WITHIN THE NW 1/4 NE 1/4 SECTION 24.
Downingia pusilla	dwarf downingia	UNDERNEATH TRANSMISSION LINES, 180 FT SOUTH OF THE EAST-WEST BIKE PATH THROUGH THE OPEN SPACE. MAPPED ACCORDING TO 2013 PIMENTEL COORDINATES AND 2014 HUDDLESTON COORDINATES, WITHIN THE FAR NW 1/4 OF SECTION 33.
Downingia pusilla	dwarf downingia	MAPPED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 14 ACCORDING TO A 2006 MAP BY FISHER.
Downingia pusilla	dwarf downingia	MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 14 ACCORDING TO A 2006 MAP BY FISHER.
Downingia pusilla	dwarf downingia	MAPPPED ACCORDING TO 2013 VOLLMAR DIGITAL DATA, WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 27.
Thamnophis gigas	giant gartersnake	SECTIONS 9, 10, 11, 12, 13, 14, 15, & 16. NATOMAS BASIN; INCLUDED BIANCHI W; BKS 1-3 & WETLAND; FRAZER S; SILLS SITES 1-3 (2015). MOST SNAKES DETECTED VIA CAPTURE, SOME ONLY OBSERVED. MANY SNAKES CAUGHT MORE THAN ONCE DURING YEARLY SURVEYS.
Thamnophis gigas	giant gartersnake	SECTIONS 7, 8, 17, & 18. NATOMAS BASIN; FRAZER N WETLAND, LUCICH NORTH (LN) 2-4 & WETLAND SITES (2015). MOST SNAKES DETECTED WERE CAUGHT & PIT TAGGED, MANY SNAKES WERE RECAPTURED IN SAME OR SUBSEQUENT YEARS, SOME ONLY SIGHTED.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES AND MAPS. LARGEST CONCENTRATION OF DETECTIONS WAS IN AREA JUST WEST OF GIARRE WAY. INCLUDES WEST DRAINAGE CANAL; AND 2015 CUMMINGS, NATOMAS FARMS, NF 1-3, & SAFCA 1-8 SITES IN NATOMAS BASIN.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES AND GENERAL LOCATION DESCRIPTION OF "POWER LINE RD, 0.2 MILE S BAYOU WAY" & "MEISTER RD, E SACTO. METRO. AIRPORT." CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT-TAGGED & RELEASED.
Thamnophis gigas	giant gartersnake	PRIMARILY SECTIONS 30 SW & 31 N. INCLUDES "Q DRAIN APPROXIMATELY 0.4KM W OF POWER LINE RD; APPROX 1.4KM S OF SANKEY RD" & BENNETT S WETLAND (2015). CAPTURED SNAKES PIT TAGGED, MANY RECAPTURED. SOUTH PART OF SITE CONVERTED TO MARSH LAND.
Thamnophis gigas	giant gartersnake	PRIMARILY THE E SIDE OF SEC 30. CAPTURED SNAKES WERE PIT TAGGED; MANY WERE RECAPTURED. PROVIDED LOCATION WAS "MANAGED WETLAND ON HABITAT RESERVE APPROXIMATELY 1.5 KM W OF SR-99/70 & 0.8 KM S OF SANKEY RD." 2015: LUCICH SOUTH SITES LS 1-3.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. DRAINAGE DITCH ADJACENT TO LONE TREE RD, NE OF SACRAMENTO INTERNATIONAL AIRPORT. SITE NAME WAS "LONE TREE." METRO AIR PARK DEVELOPMENT WAS IN PROCESS DURING 2006 SURVEYS.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. NATOMAS BASIN, HUFFMAN E & W SITES (2015). CANAL RUNS NORTH-SOUTH AND BENDS TO THE WEST ALONG THE PART SOUTH OF RIEGO RD. CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, & RELEASED; MANY WERE RECAPTURED.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED MAPS AND COORDINATES. SITE PART OF THE MIDDLE AMERICAN BASIN. LOCATION DESCRIPTION WAS "MAIN CANAL NORTH OF WEST CATLETT ROAD." WESTERN FEATURE REPRESENTATIVE OF 2011 DETECTION.
Thamnophis gigas	giant gartersnake	CAS & LSU LOCATIONS GIVEN AS "ELKHORN BLVD, JUST E CA-99." EACH LSU SPECIMENS NOTED AS BEING "IN DAM, 1 OF BROOD OF 6." 1983 SNAKES DELIVERED TO CAL POLY POMONA (CAPTIVE BREEDING); COLLECTED AT "JUNCT. ELKHORN BLVD & HWY 99."
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	1980 SNAKE COLLECTED AT EL CENTRO RD AT DEL PASO RD. 1986 LOCATION DESCRIPTION WAS "SMALL (5-10 FT WIDE) ROADSIDE DITCHES PARALLELING EL CENTRO RD ON BOTH E & W SIDES & THOSE PARALLELING DEL PASO ON N & S CONVERGE HERE."
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
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Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	MAPPED TO GIVEN COORDINATES. NATOMAS BASIN; INCLUDES ELSIE & TUFTS SITES (2015). INCLUDES LARGE DRAINAGE CANAL BTWN POWER LINE RD (W) & LONE PINE RD (E). MAJORITY OF SNAKES CAPTURED & PIT TAGGED, MANY RECAPTURED, SOME ONLY SIGHTED.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES & MAPS. OTHER SNAKES WERE OBSERVED WITHIN AREA IN 2002, BUT COULD NOT BE CLEARLY IDENTIIFIED DUE TO EVASIVENESS; SITE APPEARS TO CONTAIN A VIABLE GGS POPULATION. SITE INTENDED FOR WETLAND RESTORATION IN 2004.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. DETECTIONS INCLUDE BOTH TRAPPED AND OBSERVED SNAKES. CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, AND RELEASED. LOCATION: "LATERAL 5 DRAIN ALONG GARWOOD ROAD AND WEST CATLETT RD."
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. CAPTURED SNAKES WERE WEIGHED, MEASURED, VENTRAL SCUTE MARKED, AND RELEASED. PROVIDED DESCRIPTION WAS "DRAINAGE CANAL EXTENDING EAST AND SOUTH FROM SOUTH END OF WEST CATLETT AIRSTRIP."
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES AND LOCATION DESCRIPTIONS. 1999 CAPTURES ALONG N-S ORIENTED CANAL (W FEATURE). PROVIDED LOCATION DESCRIPTION FOR 1976 DETECTION WAS "RIEGO RD APPROXIMATELY 0.5 KM WEST OF SR-99/70."
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. COORDINATES PLACE SNAKES ALONG A DRAINAGE CANAL. CANAL WAS VISIBLE IN 1993-2005 AERIAL PHOTOS. THE CANAL IS NO LONGER VISIBLE IN THE 2006-2014 PHOTOS AND APPEARS TO HAVE BEEN FILLED IN.
Thamnophis gigas	giant gartersnake	INCLUDES "IRRIGATION CANAL APPROXIMATELY 2.5 KM WEST OF SR-99/70; APPROX 0.8 KM OF SANKEY RD" & 2015 TRAPLINE BENNETT NORTH RICE (BOLEN N & W IN VICINITY, BUT NONE CAPTURED IN THOSE LINES). CAPTURED SNAKES WERE PIT TAGGED, MANY RECAPTURED.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES AND LOCATION DESCRIPTIONS OF: ELVERTA RD, 1.5 MILES E GARDEN HWY (1976); CANAL ON EAST SIDE/CROSSING POWER LINE RD. 0.25-0.3 MI N ELVERTA RD. (1986 & 1990); 1ST & 2ND CHECK DAMS N OF ELVERTA RD. (1992).
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. LOCATIOND DESCRIPTION WAS "DRAINAGE CANAL APPROXIMATELY 4 KM WEST OF SR-99/70, APPROXIMATELY 1.8 KM NORTH OF THE NATOMAS CROSS CANAL." PART OF THE AMERICAN BASIN.
Thamnophis gigas	giant gartersnake	ONE CANAL RUNS E-W, PARALLEL TO ELKHORN BLVD & ONE CANAL RUNS N-S, PERPENDICULAR TO ELKHORN BLVD & PARALLEL TO EAST DRAINAGE CANAL.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, AND RELEASED. LOCATION DESCRIBED AS "DRAINAGE CANAL APPROXIMATELY 1.2 KM WEST OF SR-99/70, AT SANKEY RD." SITE NAME: BENNETT NORTH.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOC DESCRIPTION WAS "IRRIGATION CANAL APPROXIMATELY 1.8KM WEST OF SR-99/70, APPROXIMATELY 1.2 KM N OF SANKEY RD." CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, & RELEASED.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED 2008 AND 2010 COORDINATES AND 1986 LOCATION DESCRIPTION OF "POWER LINE ROAD, 0.7 MILES SOUTH OF RIEGO RD, 0.2 MILE SOUTH OF NORTH DRAINAGE CANAL CROSSING." DESCRIBED AS BEING DETECTED DURING 1986-87 SURVEYS BY G. HANSEN.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. LOCATIONS INCLUDED HIGHLINE DITCH AND NORTH DRAINAGE CANAL; & ATKINSON AND RUBY RANCH SITES (2015). CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, MARKED, AND RELEASED.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "IRRIGATION CANAL APPROXIMATELY 0.8 KM SOUTH OF WEST CATLETT ROAD, 2 KM W OF SR-99/70." CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, & RELEASED.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES & PROVIDED LOCATION DESCRIPTION OF T 10N, R 4E, SE 1/4 OF NE 1/4 OF SEC 32. GENERAL LOCATION (1986) DESCRIBED AS "THREE PARALLEL DITCHES, RUNNING E-W, INTERSECT N-S RUNNING CANAL AT LONE TREE RD."
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. LOCATION DESCRIBED AS "IRRIGATION CANAL APPROXIMATELY 1 KM WEST OF SR-99/70, 0.2 KM SOUTH OF ELVERTA ROAD." CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, MARKED, PHOTOGRAPHED, AND RELEASED.
Thamnophis gigas	giant gartersnake	MAPPED ACCORDING TO PROVIDED COORDINATES AND MAP LOCATIONS. DITCH RUNS EAST-WEST. 2003 SITE NAME WAS "AYALA-SOUTH END OF PROPERTY." CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, PHOTOGRAPHED, & RELEASED.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. COORDINATES PLACE SNAKES ALONG A DRAINAGE CANAL. CANAL WAS VISIBLE IN 1993-2005 AERIAL PHOTOS. THE CANAL IS NO LONGER VISIBLE IN THE 2006-2014 PHOTOS AND APPEARS TO HAVE BEEN FILLED IN.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. LOCATION DESCRIBED AS "DRAINAGE CANAL APPROXIMATELY 0.8 KM SOUTH OF INTERSTATE 5, APPROXIMATELY 1.6 KM EAST OF POWERLINE RD."
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES & LOCATION DESCRIPTION OF "CANAL N DEL PASO RD, W EAST DRAINAGE CANAL." 1980 SNAKE (CAS #178588, DFGHM #76) COLLECTED "DEL PASO RD. 0.2 W. EAST DRAINAGE CANAL 1.2 MI E HWY 99 - I-5."
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "SANKEY ROAD APPROXIMATELY 0.2-0.6 KM WEST OF SR-99/70." 6 MAY 2010 SNAKE FOUND BETWEEN 0.3-0.5 MI W OF HWY 99.
Thamnophis gigas	giant gartersnake	MAPPED ACCORDING TO PROVIDED COORDINATES. SITE NAME WAS "CENTRAL MAIN CANAL-SOUTHERNMOST PORTION." CANAL ORIENTED NW-SE.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "IRRIGATION CANAL APPROXIMATELY 1.2 KM EAST OF POWERLINE RD, APPROXIMATELY 1.2 KM NORTH OF ELVERTA RD."
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "IRRIGATION CANAL APPROXIMATELY 0.8 KM SOUTH OF WEST CATLETT ROAD, 1 KM WEST OF SR-99/70." CANAL LOCATED NORTH OF THE CROSS CANAL.
Thamnophis gigas	giant gartersnake	2003 SNAKE FOUND AT CULVERT CROSSING.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "IRRIGATION CANAL APPROXIMATELY 1.5 MILES SOUTH OF WEST CATLETT ROAD AND 1.3 MILES WEST OF SR99/70." DRAINAGE NORTH OF THE CROSS CANAL.
Thamnophis gigas	giant gartersnake	1986 DETECTION LOCATION DESCRIBED AS NORTH DRAINAGE CANAL AT RIEGO RD. MAPPED TO COORDINATES GIVEN FOR 2017 DETECTION.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	1.47 MILES SOUTH EAST OF BM 42.
Thamnophis gigas	giant gartersnake	1.65 MILE NORTH OF BM 32 (BARNEY MOUND).
Thamnophis gigas	giant gartersnake	MAPPED ACCORIDING TO PROVIDED COORDINATES AND MAP LOCATIONS. 2003 SITE NAME WAS "AYALA-EAST END OF PROPERTY." DRAINAGE CANAL RUNS NORTH-SOUTH.
Thamnophis gigas	giant gartersnake	ON TOPO MAPS THIS WATER BODY IS LABELED "COON CREEK." NEAR THE CONFLUENCE WITH PING SLOUGH.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "PAVED ROAD APPROXIMATELY 4.5 KM EAST OF SR-99/70; APPROXIMATELY 1.4 KM NORTH OF ELVERTA ROAD."
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "IRRIGATION/DRAINAGE CANAL APPROXIMATELY 2 KM SOUTH OF WEST CATLETT ROAD, 1.6 KM WEST OF SR99/70." DRAINAGE NORTH OF THE CROSS CANAL.
Thamnophis gigas	giant gartersnake	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION WAS "IRRIGATION CANAL APPROXIMATELY 3 KM EAST OF GARDEN HWY, 1.7 KM NORTH OF WEST CATLETT ROAD."
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	1.45 MILES NORTH OF BM 35.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	GGS WAS FOUND ON THE SOUTH BANK OF THE AGRICULTURAL CANAL.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Ammodramus savannarum	grasshopper sparrow	SITE IS LOCATED ON A VERNAL POOL PRESERVE; DEVELOPMENT TO SURROUND PRESERVE.

CNDDB 10 Miles

December 2021

SNAME	CNAME	LOCDETAILS
Ardea herodias	great blue heron	ROOKERY IS LOCATED MIDWAY BETWEEN DRAINAGE CANAL AND RIO LINDA / MARYSVILLE BOULEVARD.
Ardea herodias	great blue heron	GREAT EGRETS ARE ALSO PART OF THIS COLONY.
Ardea herodias	great blue heron	
Ardea alba	great egret	ALTHOUGH NO NESTS COULD BE SEEN, APPROXIMATELY 30 BIRDS WERE FLUSHED FROM THE TREES.
Ardea alba	great egret	ROOKERY IS LOCATED MIDWAY BETWEEN DRAINAGE CANAL AND RIO LINDA / MARYSVILLE BOULEVARD.
Ardea alba	great egret	GREAT BLUE HERONS ARE ALSO PART OF THIS COLONY.
Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	SINGLE PATCH OF MIXED RIPARIAN ALONG THE WEST SIDE OF THE RIVER EXTENDING FROM SACRAMENTO SLOUGH TO THE KANAKA CUTOFF.
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	WITHIN STANFORD RANCH ALKALI SEEP PRESERVE, SPRING VALLEY. SITE IS NEAR PARK DRIVE AND STANFORD RANCH ROAD INTERSECTION. IN THE SW 1/4 SECTION 12. NEAR 3 SEEPS.
Legenere limosa	legenere	WHEN VISITED IN 1997, WHAT APPEARS TO BE DEDICATED OPEN SPACE WAS SEEN JUST TO THE EAST OF MAPPED LOCATION FOR THIS SITE. FUTURE SURVEYS SHOULD TARGET THIS AREA.
Legenere limosa	legenere	
Legenere limosa	legenere	MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 32.
Legenere limosa	legenere	MAPPED ABOUT 0.4 MILE NNE OF WHERE MARYSVILLE ROAD AND RIO LINDA BLVD JOIN. WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 10.
Legenere limosa	legenere	MAPPED IN SEASONAL POND 0.2 MILE SOUTH OF ELVERTA ROAD AND 0.75 MILE EAST OF 16TH STREET. NEAR THE CENTER OF THE NE 1/4 OF SECTION 22.
Legenere limosa	legenere	MAPPED AS 2 POLYGONS ACCORDING TO 2014 HUDDLESTON COORDINATES, IN THE NORTH 1/2 OF THE SW 1/4 OF SECTION 28.
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	POOLS IN TREELESS ANNUAL GRASSLAND. BOUNDARIES INDICATE EXTENT OF UNDEVELOPED AREA.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SPARSE VERNAL POOLS AS SEEN IN 1983 AERIAL PHOTOS. FIELD CHECKED BY WYMER AND ASSOCIATES IN 1987.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SPARSE VERNAL POOLS AS SEEN IN 1983 AERIAL PHOTOS.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SEVERAL POOLS SCATTERED IN GRASSLAND.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	TWO AREAS; 38 AC RANKED AS MEDIUM QUALITY BY WESCO, 1982, ZONED FORM AG IN 1977 ROSEVILLE GENERAL PLAN; 13 AC OF LOW QUALITY POOLS, ZONED RESIDENTIAL.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	330 AC IN ROSEVILLE; ZONED AG IN 1977 GENERAL PLAN.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	WESCO SURVEYED 70 AC W/IN ROSEVILLE CITY LIMITS BUT TOTAL POOL AREA MUCH LARGER (ALONG SIERRA COLLEGE BLVD).
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	BOUNDARY INCL 2 POOL AREAS; ONE AREA HAS 48 ACRES OF POOLS (WESCO, 1982); THE OTHER AREA HAS 30 ACRES OF LOWER QUALITY POOLS.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	51 ACRES.
Antrozous pallidus	pallid bat	MAPPED TO PROVIDED COORDINATES.
Navarretia myersii ssp. myersii	pincushion navarretia	EXACT LOCATION UNKNOWN, MAPPED BY CNDDB IN THE VICINITY OF LINCOLN.
Progne subis	purple martin	DRAIN HOLES OF I-80 ARE USED AS NESTING AREA. SITE IS LOCATED ADJACENT TO LIGHT RAIL STATION.
Progne subis	purple martin	
Progne subis	purple martin	BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.
Progne subis	purple martin	SITE FIRST DOCUMENTED IN 2003 BUT ASSUMED TO HAVE BEEN OCCUPIED IN PRIOR YEARS BASED ON THE PRESENCE OF OVER 90% OF PAIRS WITH ASY MALES.
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	WEST OF RR TRACKS, SOUTH OF INDUSTRIAL WASTE PONDS AND EAST OF A POWERLINE.
Hydrochara rickseckeri	Ricksecker's water scavenger beetle	PRESERVE IS WEST AND SOUTH OF TWELVE BRIDGES HOUSING DEVELOPMENTS; MAPPED FROM APPROXIMATE LOCATION OF TWELVE BRIDGES ROAD.
Pogonichthys macrolepidotus	Sacramento splittail	IN THE SACRAMENTO RIVER FROM RIVER MILE 33 SOUTH OF COURTLAND TO RIVER MILE 97 NORTH OF KNIGHTS LANDING, AND THE LOWER 10 MILES OF THE FEATHER RIVER.
Sagittaria sanfordii	Sanford's arrowhead	MAPPED BY CNDDB IN THE EAST 1/2 OF SECTION 23 ACCORDING TO A 2001 PRESTON MAP.
Sagittaria sanfordii	Sanford's arrowhead	MAPPED BETWEEN VILLA OAKS AND OLD AUBURN ROAD ALONG SUNRISE CREEK.
Sagittaria sanfordii	Sanford's arrowhead	2 POPULATIONS: ARCADE CRK POPULATION RUNS FROM THE NORWOOD AVE BRIDGE WEST TO THE RAILROAD CROSSING AT THE DRAINAGE CANAL, SECOND POPULATION IN A SHALLOW DITCH LOCATED ON VACANT PARCEL SW OF THE INTERSECTION OF NORWOOD AVE AND LINDLEY AVE.
Sagittaria sanfordii	Sanford's arrowhead	TWO COLONIES MAPPED BY NORTON IN 1993 IN DRAINAGES BETWEEN ROSEVILLE ROAD AND VILLAVIEW DRIVE AND NORTH OF OUTLOOK DRIVE. ONLY THE SOUTH COLONY REMAINING IN 1997.
Sagittaria sanfordii	Sanford's arrowhead	WEST OF ROSEVILLE ROAD IN CHANNEL BETWEEN ROAD AND RR TRACKS. NEAR CENTER OF SECTION.
Sagittaria sanfordii	Sanford's arrowhead	MAPPED BY CNDDB AROUND THE VERNAL POOL THAT CONTAINS SAGITTARIA SANFORDII IN THE NE1/4 OF SECTION 6 ACCORDING TO A 2006 KIMBALL NEELY ASSOCIATES, LLC MAP.
Egretta thula	snowy egret	ALTHOUGH NO NESTS COULD BE SEEN, APPROXIMATELY 50 BIRDS WERE FLUSHED FROM THE TREES.
Melospiza melodia	song sparrow ("Modesto" population)	1877 EXPEDITION CONDUCTED AT "VICINITY OF SACRAMENTO CITY...WHERE VEGETATION WAS NOURISHED BY THE PRESENCE OF WATER" AND 1900 SPECIMEN COLLECTED AT "2 MI S SACRAMENTO;" EXACT LOCATIONS UNKNOWN. MAPPED GENERALLY CENETERED ON SACRAMENTO.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	MAPPED TO INCLUDE RIVER SEGMENTS 3 & 4 FROM ANGLER SURVEYS 1991-2010 AND 13 USFWS BEACH SEINE STATIONS SAMPLED SINCE 1979. ROTARY SCREW TRAP AT KNIGHTS LANDING OPERATED SINCE 1997 AND MOSSDALE TRAWLS SINCE 1988.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	MAPPED TO RIVER BELOW OROVILLE & FISH BARRIER DAMS, TOTAL BARRIERS BUILT 1976 THAT CUT OFF MOST OF HABITAT. LOW-FLOW CHANNEL (LFC) FROM DAM TO THERMALITO AFTERBAY OUTLET (RM59); HIGH-FLOW (HFC) IS D/S. RSTS AT RM60.1 & 42; FRH RELEASES D/S.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	MAPPED TO REACHES OF DRY CREEK & OCCUPIED TRIBUTARIES CURRENTLY NAVIGABLE BY STEELHEAD. COTTONWOOD DAM WAS TOTAL BARRIER ON MINERS PRIOR TO ITS FAILURE IN 2009. ALL SPAWNING REPORTS FROM U/S OF WASTEWATER TREATMENT PLANT (38.736, -121.316).
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	MAPPED TO REACH OF STREAM CURRENTLY NAVIGABLE BY STEELHEAD (SH) PER CA FISH PASSAGE ASSESSMENT DATABASE. AS OF 2003, HEMPHILL DAM (38.897, -121.252) WAS THE U/S LIMIT TO MIGRATION. ANECDOTES OF RUNS IN 1930S AS FAR U/S AS WISE POWERHOUSE.
Fritillaria agrestis	stinkbells	IN A FIELD AT THE END OF GRAVEL ROAD.
Fritillaria agrestis	stinkbells	
Fritillaria agrestis	stinkbells	COMMERCIAL BUSINESS ACROSS THE ROAD.
Fritillaria agrestis	stinkbells	IN AREA SURROUNDING PRODUCE STAND.
Buteo swainsoni	Swainson's hawk	TERRITORIES SU, YO042, YO227, YO068, SA028, SA030 FROM CDFW DATABASE & ESTEP SITES YO-109 & YO-119. 1991: 2 NESTS, AT RM78.2L & RM76.9. 1993 NEST AT RM77.65R. 1994: 2 NESTS, AT RM78R & RM76.8R. MAPPED TO PROVIDED COORDINATES.
Buteo swainsoni	Swainson's hawk	3 NESTING SITES, FROM S TO N: 1) TERRITORY #SA091 & PART OF SA014 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE; ACTIVE NESTS DETECTED 1983-1993, 2) CDFW NEST RECORD FROM 2003, 3) 1991/1992 NESTS RECORDED AT #SA014 IN CDFW DATABASE.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW 2000-2004 NEST RECORDS. SOUTH POLYGON REPRESENTS SUSPECTED NEST TERRITORY RECORDED IN 2001, UNCLEAR IF ACTIVE NEST WAS FOUND. NORTH POLYGON MAPPED TO NEST SITE RECORDED IN 2003.
Buteo swainsoni	Swainson's hawk	TERRITORY #SU025 FROM CDFW SWHA OBSERVATIONS DATABASE. THREE NEST SITES, FROM SOUTH: 1988 DETECTION AT "OAK GROVE," 2004 SITE FROM CDFW NEST RECORDS, AND 2010 SITE FROM FIELD SURVEY FORM; ALL ALONG GARWOOD RD.
Buteo swainsoni	Swainson's hawk	TWO NESTING SITES REPRESENTED. SW SITE: TERRITORIES #YO226 & SA015 (PART- SEE ALSO EO#133) FROM CDFW DATABASE/LOC FROM FIELD SURVEY FORMS; AT RM74. NE SITE: MAPPED TO COORDINATES GIVEN FOR CDFW NEST RECORD FROM 2003.
Buteo swainsoni	Swainson's hawk	TERRITORIES SU013 & YO (NO # ASSIGNED) FROM CDFW SWHA OBSERVATIONS DATABASE. 1984, 1991, 2007 NESTS ON W SIDE OF RIVER, MAPPED TO COORDINATES FROM 2008 ESTEP REPORT. 1986, 1993, 1994 NESTS ON E SIDE OF RIVER, EXACT LOCATIONS NOT KNOWN.
Buteo swainsoni	Swainson's hawk	MAPPED TO PROVIDED MAP.
Buteo swainsoni	Swainson's hawk	TERRITORIES SU (NO # ASSIGNED) AND SU001 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE.
Buteo swainsoni	Swainson's hawk	2 NEST SITES, MAPPED TO COORDINATES FROM CDFW NEST RECORDS 2000-2004 AND FROM 2010 FIELD SURVEY FORMS; BOTH WERE ACTIVE IN 2004 AND 2010. 1992 NEST WAS IN THE VICINITY OF THE NORTH SITE.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW NEST RECORDS 2000-2004 AND 2010 FIELD SURVEY FORMS. 3 NEST SITES REPRESENTED, THE WESTMOST WAS ACTIVE IN 2004 AND THE MIDDLE AND EASTMOST SITES WERE BOTH ACTIVE IN 2010.
Buteo swainsoni	Swainson's hawk	3 NEST SITES REPRESENTED: WESTMOST AND EASTMOST SITES ACTIVE IN 2004, MAPPED TO COORDINATES FROM CDFW NEST RECORDS; MIDDLE SITE ACTIVE IN 2010, MAPPED TO UTMS FROM FIELD SURVEY FORM.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW NEST RECORDS 2000-2004. TWO NEST SITES REPRESENTED; E SITE ACTIVE 2001, W SITE ACTIVE 2004. 2001 NEST WAS DIRECTLY OVER ROAD, IN A TREE ON THE NORTH SHOULDER OF LEE ROAD. 2004 NEST TREE ON GOLF COURSE.
Buteo swainsoni	Swainson's hawk	MAPPED TO LOCATIONS FROM FIELD SURVEY FORMS. 2006 NEST SITE WAS ABOUT 100' S OF I-5. AREA ON WHICH THE NEST TREE IS FOUND IS UNCULTIVATED/UNDEVELOPED, POSSIBLY AN EXCESS LAND PARCEL OWNED BY CALTRANS.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW NEST RECORDS, 2000-2004, AND 2010 FIELD SURVEY FORMS. TWO NEST SITES REPRESENTED; S SITE ACTIVE 2004 & 2010, N SITE ACTIVE 2010.
Buteo swainsoni	Swainson's hawk	TWO NEST SITES REPRESENTED: NORTHWEST SITE ACTIVE IN 2004, MAPPED TO COORDINATES FROM CDFW NEST RECORDS 2000-2004; SOUTHEAST SITE ACTIVE IN 2010, MAPPED TO UTMS FROM FIELD SURVEY FORM.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW NEST RECORDS, 2000-2004, AND FROM 2010 FIELD SURVEY FORM.
Buteo swainsoni	Swainson's hawk	MAPPED TO PROVIDED COORDINATES.
Buteo swainsoni	Swainson's hawk	TERRITORY #SA092 FROM CDFW DATABASE. NEST WAS LOCATED ON THE EAST SIDE OF FISHERMANS LAKE, 50 YARDS FROM DEL PASO ROAD, IN A 45-FT COTTONWOOD. SEVERAL ALTERNATE NESTS LOCATED IN THE AREA.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW 2000-2004 NEST RECORDS.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES & LOCATIONS FROM FIELD SURVEY FORMS, "ABOUT 100-150 FEET EAST OF S. BREWER ROAD AND 2.0 MILES NORTH OF BASELINE ROAD...TREE IS SOUTHEAST OF THE BRIDGE THAT CROSSES CURRY CREEK."
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW 2000-2004 NEST RECORDS.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES GIVEN ON FIELD SURVEY FORM FOR 2012 DETECTION AT COON CREEK SITE. A SWAINSON'S HAWK PAIR WAS OBSERVED IN 2010 AND 2011 AT A SITE ABOUT 4.6 MILES TO SW, ON MARKHAM RAVINE; SUSPECTED THAT THIS IS SAME PAIR.
Buteo swainsoni	Swainson's hawk	MAPPED TO POINT FROM CDFW SHAPEFILE OF NEST RECORDS FROM 2009.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES GIVEN ON FIELD SURVEY FORM.
Buteo swainsoni	Swainson's hawk	MAPPED TO POINT FROM CDFW SHAPEFILE OF 2009 NEST RECORDS.
Buteo swainsoni	Swainson's hawk	MAPPED TO POINT FROM CDFW 2000-2004 NEST RECORDS.
Buteo swainsoni	Swainson's hawk	MAPPED TO PROVIDED COORDINATES.
Buteo swainsoni	Swainson's hawk	MAPPED TO 2010 NEST LOCATION, COORDINATES GIVEN ON FIELD SURVEY FORM. 2011 FLYOVER DETECTION ON EAST SIDE OF INTERCHANGE.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW 2000-2004 NEST RECORDS.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW NEST RECORDS 2000-2004.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW SWAINSON'S HAWK NEST RECORDS DATABASE, 2000-2004, AND FROM 2010 FIELD SURVEY FORM. 2004 AND 2010 NEST APPEAR TO HAVE BEEN IN SAME OR NEARBY TREES.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES GIVEN ON FIELD SURVEY FORM FROM 2010.
Buteo swainsoni	Swainson's hawk	NEST SITE WAS ADJACENT TO ALFALFA.
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES PROVIDED IN CDFW NEST RECORD FROM 2004.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW NEST RECORDS, 2000-2004.

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SNAME	CNAME	LOCDETAILS
Buteo swainsoni	Swainson's hawk	MAPPED TO COORDINATES FROM CDFW NEST RECORDS, 2000-2004.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	NEST TREE WAS LOCATED IN WHAT BECAME THE NORTH EDGE OF AN OPEN SPACE CORRIDOR/GOLF COURSE IN 1996. MAPPED TO PROVIDED TOPO MAP.
Buteo swainsoni	Swainson's hawk	WESTERN PACIFIC RR TRACKS LOCATED JUST WEST OF NEST TREE.
Buteo swainsoni	Swainson's hawk	VICINITY OF 1992 DETECTION BY CDFW SURVEYORS; REPORTED ON FIELD SURVEY FORM (PER LOCATION DRAWN ON ATTACHED MAP) AND IN CDFW DATABASE AS TERRITORY #SA073. MAPPED TO POINT ON MAP SUBMITTED WITH FIELD SURVEY FORM FROM 2002.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	NEST TREE IS LOCATED ABOUT 200' SW OF WHERE THE BIKE TRAIL CROSSES DRY CREEK.
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Buteo swainsoni	Swainson's hawk	
Agelaius tricolor	tricolored blackbird	MAPPED GENERALLY TO TOWN OF VERONA. LOCATION FOR 1935 DETECTION WAS "SOUTHWEST OF VERONA (POTHOLE)." LOC FOR 1936 DETECTION WAS "NEAR VERONA." 2011 & 2014 SURVEYS PART OF TRIENNIAL STATEWIDE SURVEYS, DATA STORED IN UC DAVIS TRBL PORTAL.
Agelaius tricolor	tricolored blackbird	FLOCK OF APPROX 7500 OBS BY NEFF NESTING IN CATTAILS.
Agelaius tricolor	tricolored blackbird	MAPPED GENERALLY TO THE VICINITY OF LINCOLN. REFERENCED HISTORIC 1910 & 1942 USGS TOPO MAPS TO DETERMINE HISTORIC LINCOLN CITY EXTENT. COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "LINCOLN."
Agelaius tricolor	tricolored blackbird	BIRDS NEST IN WILLOW TREES ALONG AN IRRIGATION DITCH; BLACKBERRY BUSHES GROW NEARBY. MAPPED ACCORDING TO PROVIDED MAPS. EXACT LOCATION UNKNOWN, EITHER IN SECTION 34 OR SECTION 35 OF TOWNSHIP RANGE.
Agelaius tricolor	tricolored blackbird	MAPPED GENERALLY TO PROVIDED COORDINATE AND POSSIBLE SUITABLE HABITAT BASED ON 1993-2014 AERIAL IMAGERY (GOOGLEEARTH). COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "MCCLELLAN AFB."
Agelaius tricolor	tricolored blackbird	MAPPED ACCORDING TO PROVIDED MAPS AND COORDINATES. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "DEWITT FARMS" AND "NATOMAS." SITE CONSIDERED A GREAT EXAMPLE OF TRBL MANANGEMENT IN 2000.
Agelaius tricolor	tricolored blackbird	MAPPED GENERALLY TO PROVIDED COORDINATE AND LOCATION DESCRIPTION OF "1 MI N OF RIEGO RD, 200 YDS W OF POWER LINE RD." ON EDGE OF IRRIGATION DITCH. COLONY DATA STORED IN UC DAVIS TRICOLOR BLACKBIRD PORTAL; SITE "POWER LINE RD."
Agelaius tricolor	tricolored blackbird	MAPPED ACCORDING TO LOCATION ON PROVIDED MAP. PROVIDED ROAD DESIGNATIONS WERE "HIGHWAY 65 & DIRT ROAD, 1.7 MI SOUTH OF RODEO GROUNDS."
Agelaius tricolor	tricolored blackbird	MAPPED ACCORDING TO PROVIDED MAP AND COORDINATES. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "MARKHAM RAVINE 3." THE COLONY WAS COMPOSED OF A MAIN COLONY WITH A SMALLER SATELLITE COLONY.
Agelaius tricolor	tricolored blackbird	MAPPED TO PROVIDED LOCATIONS. PROPERTY KNOWN AS ANTONIO MOUNTAIN RANCH.
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTA; SITE NAME "RODEO GROUND OPEN SPACE 3." MAPPED TO LOCATION/COORDINATES PROVIDED BY PORTAL.
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "MARKHAM RAVING." MAPPED TO PROVIDED LOCATION FROM PORTAL. COLONY ALONG MARKHAM RAVINE, NEAR BREWER RD BRIDGE CROSSING.
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "MARKHAM RAVINE #2." LOCATION DESCRIBED AS "0.5 MI E OF BLEWER RD, 0.5 MI S OF NICOLAUS RD."
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "GLEASON RANCH SUNSET BLVD WEST." MAPPED TO PROVIDED LOCATION IN PORTAL.
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "GLADDING HWY 65." MAPPED TO COORDINATES PROVIDED IN PORTAL. SITE LOCATED ON EAST SIDE OF HWY 65, ABOUT 1.9 MILES FROM GLADDING RD.
Agelaius tricolor	tricolored blackbird	MAPPED ACCORDING TO PROVIDED COORDINATES. OBSERVATION MADE "NEAR WISE RD AND HWY 65."
Agelaius tricolor	tricolored blackbird	MAPPED TO PROVIDED MAPS, COORDINATES, AND LOCATION DESCRIPTIONS. COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "INDUSTRIAL AVENUE." AN ADDITIONAL 2,000 BIRDS NOTED SOMETIME IN 1992.
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "ORCHARD CREEK." MAPPED TO LOCATION PROVIDED IN PORTAL. LOCATION DESCRIBED AS "JUST EAST OF INDUSTRIAL AVENUE, ABOUT 0.25 MILE SOUTH OF TWELVE BRIDGES RD."
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "RODEO GROUND OPEN SPACE 2." PREVIOUSLY REFERRED TO AS "CAPERTON AND STERLING PARKWAY" IN THE PORTAL.
Agelaius tricolor	tricolored blackbird	COLONY LOCATED "WEST OF THE SOUTH BOUND OFF RAMP FOR TWELVE BRIDGES AND HWY 65." BLACKBERRY BRAMBLES VISIBLE IN GOOGLE STREET VIEW. COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL. MAPPED TO LOCATION PROVIDED IN PORTAL.
Agelaius tricolor	tricolored blackbird	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "WEST FERRARI RANCH ROAD." MAPPED TO PROVIDED COORDINATES FROM PORTAL. LOCATION DESCRIBED AS "AT WEST END OF FERRARI RANCH ROAD."
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	MAPPED TO PROVIDED PROJECT BOUNDARY FOR THE HIGHLANDS. 10 YEAR MONITORING CONDUCTED BY ECORP CONSULTING INC. MONITORING BEGAN IN 2002. CNDDB DID NOT HAVE RECORDS FOR 2002-2004 & 2009. VELB CONSERVATION AREA ALONG N MOST END OF SITE.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	MAPPED TO PROVIDED COORDINATES. MITIGATION BANK NAME WAS "SACRAMENTO RIVER RANCH." EXIT HOLE NUMBERS REFERENCE HOLES THAT APPEARED TO BE NEW ACCORDING TO SURVEYOR FOR A GIVEN YEAR.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	MAPPED TO PROVIDED MAP. GALLAWAY CONSULTING INC. PERFORMED VELB SURVEYS WITHIN THE PG&E LINE 407 WEST NATURAL GAS TRANSMISSION PIPELINE BIOLOGICAL SURVEY AREA. ONLY CLEAN CUT HOLES OF PROPER SIZE AND SHAPE WERE CONSIDERED VELB EXIT HOLES.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO INCLUDE 1993 DETECTION LOCATIONS GIVEN AS T11N R6E SECTION 18 (SUGNET ID #91), T11N R5E SECTION 25 (SUGNET ID #89), AND BOUNDARY OF AREA SURVEYED IN 1997 IN SECTIONS 19 AND 30. EXACT LOCATIONS UNKNOWN.
Branchinecta lynchi	vernal pool fairy shrimp	1993: MAPPED TO GIVEN TRS SECTIONS, T12N R6E SEC 6 & 8; EXACT DETECTION LOCATIONS UNKNOWN. 2005: UNIDENTIFIED CYCSTS FOUND IN POOLS IN THE NE 1/4 AND SE 1/4 OF SEC 7. SECTION 8 HAS BEEN DEVELOPED, SO HALF OF THIS OCCURRENCE EXTIRPATED.
Branchinecta lynchi	vernal pool fairy shrimp	LOCATION DESCRIBED ONLY AS T12N R6E SECTION 22.
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	LOCATED SOMEWHERE IN SECTION 31.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED GENERALLY TO COORDINATES PROVIDED FOR MUSEUM SPECIMEN COLLECTED AT "PACIFIC AVENUE PROJECT, INTERMITTENT POOL." FIELD SURVEY FORM COORDINATES MISSING A DIGIT.
Branchinecta lynchi	vernal pool fairy shrimp	JOHN D. VINCENT VERNAL POOL PRESERVE (T12N R5E SEC 33) AND TOAD HILL RANCH MITIGATION BANK (T11N R5E SEC 3 AND EAST HALF OF T11N R5E SEC 4). MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	MOORE RANCH [MR]: W OF FIDDYMENT; "HIGHLAND RESERVE NORTH" ON SEC 36, "WOODCREEK WEST" ON SEC 31. ANTONIO MOUNTAIN RANCH [AMR]: E OF FIDDYMENT AND NORTH OF ATHENS AVE; SEE ALSO OCC #308.
Branchinecta lynchi	vernal pool fairy shrimp	FOSKETT PRESERVE "LOT D" IN TRS SEC 9; DETECTIONS 2005, 2008 (FEMALE BRANCHINECTA ONLY), 2010. SWAINSONS PRESERVE IN TRS SEC 5; DETECTIONS IN 2008, 2010, & 2012. MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO LOCATION OF OCCUPIED POOLS GIVEN IN 2007 FIELD SURVEY FORM AND 2012 REPORT.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO LOCATIONS OF OCCUPIED POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	KNOWN AS "RODEO GROUNDS PRESERVE" IN 2008 & 2009 REPORTS. LOCALITY FOR 1980 SPECIMENS GIVEN AS "2 MI S OF LINCOLN," ATTRIBUTED HERE. MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED GENERALLY TO TRS GIVEN FOR SPECIMENS, "NW 1/4 OF NE 1/4 SECTION 21" & "NW 1/4 OF SW 1/4 SECTION 21; T11N R6E." EXACT DETECTION LOCATIONS NOT KNOWN.
Branchinecta lynchi	vernal pool fairy shrimp	PRESERVE BOUNDARY CHANGED SEVERAL TIMES 2006-2013; MAPPED TO LOCATIONS OF OCCUPIED POOLS GIVEN IN 2009, 2011, & 2013 REPORTS (EXACT DETECTION LOCATIONS NOT GIVEN IN 2006 & 2007 REPORTS).
Branchinecta lynchi	vernal pool fairy shrimp	1993: 1 DISTURBED POND ADJACENT TO RR TRACKS SAMPLED, SHRIMP IDENTIFIED BY S. MEYERS (JSA); ALTHOUGH NOT COMMON, TOO MANY TO COUNT. 1996: 3 POOLS SAMPLED BY S. LEACH; TOTAL APPROXIMATE SIZE OF POOLS AND SWALES ARE 250 SQ. METERS.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO COORDINATES GIVEN FOR OCCUPIED POOLS ON CLEMETSON PROPERTY.
Branchinecta lynchi	vernal pool fairy shrimp	THE PRESERVE EXTENDS NORTH TO SUNSET BLVD WEST, BUT THE NORTHERN PORTION CONSISTS OF FALLOW AG FIELDS WITH NO VERNAL POOLS. MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS IN 2007, 2009, & 2010 REPORTS.
Branchinecta lynchi	vernal pool fairy shrimp	BASELINE BREWER MITIGATION SITE; A TOTAL OF 46 WATERBODIES WERE SURVEYED IN FEBRUARY/MARCH 1996. PROPERTY MANAGER: EVERGREEN MANAGEMENT.
Branchinecta lynchi	vernal pool fairy shrimp	HIGHLAND RESERVE SOUTH. MAPPED TO LOCATIONS PROVIDED FOR OCCUPIED POOLS 5, 8, U22, U26, 27, LVP (=LC OR 11-2), FA, AZ, & Z089.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS ON 2008 FIELD SURVEY FORM AND FROM 2012 SHAPEFILE.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS. 2001: FOUND IN POOL 55. 2002: IN POOL 17. 2003: POOLS 8, 22, 49, & 55. 2005: IN POOL 22. 2007: IN "INCIDENTAL WETLAND." 2008: IN POOLS 13, 20, 30, 68, & 69.
Branchinecta lynchi	vernal pool fairy shrimp	1993 DETECTIONS IN VICINITY, EXACT LOCATIONS UNKNOWN. 2005 DETECTION ON WEST ROSEVILLE SPECIFIC PLAN OPEN SPACE PRESERVE. 2007-2008 SURVEYS WERE ON "CREEKVIEW PROPERTY." 2009 DETECTIONS ON AMORUSO PROPERTY. 2016, ON FIDDYMENT WFB PARCELS.
Branchinecta lynchi	vernal pool fairy shrimp	3 MI SSW OF LINCOLN. 2 DIFFERENT LOCATIONS GIVEN FOR 2001 DETECTION: N-MOST POLYGON MAPPED TO LOCATION GIVEN ON FIELD SURVEY FORM, E-MOST POLYGON MAPPED TO COORDINATES FROM MUSEUM CATALOG. ALSO SEE OCC #315 FOR ANTONIO MTN RANCH DETECTIONS.
Branchinecta lynchi	vernal pool fairy shrimp	ORCHARD CREEK VERNAL POOL PRESERVE. MAPPED TO LOCATIONS OF POOLS OCCUPIED IN 2009 AND 2014 (EXACT LOCATIONS NOT GIVEN FOR 2008 DETECTIONS)
Branchinecta lynchi	vernal pool fairy shrimp	FROM W TO E: "TLC-ELVERTA 24", "MITIGATION AREA 1," & "SPORTS PARK" PARCELS FROM ELVERTA SPECIFIC PLAN PROPERTIES. MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	WEST ROSEVILLE SPECIFIC PLAN OPEN SPACE PRESERVE. W POLYGON MAPPED TO OCCUPIED POOLS #273, 277, 287, AND 291 (2005). E POLYGON MAPPED TO 2016 DETECTION.
Branchinecta lynchi	vernal pool fairy shrimp	N OF PLEASANT GROVE BLVD: WOODCREEK OAKS MITIGATION SITE. MAPPED TO POOL C2 PER LOCATION ON MAP FROM 1995 REPORT & POINTS FROM 2013 SHAPEFILE & FIELD SURVEY FORM. S OF BLVD: SILVERADO OAKS SITE, 1995 LOC UNKNOWN, MAPPED TO 2013 SHAPEFILE.
Branchinecta lynchi	vernal pool fairy shrimp	LINCOLN CROSSING MITIGATION SITE. 1995: 10 TOTAL WETLANDS SAMPLED, THE INFORMATION FROM CONSULTANT HAD DISCREPANCIES BETWEEN FIELD SURVEY FORMS AND MAP - MAPPED ACCORDING TO THEIR MAP. 1996: 42 TOTAL WATERBODIES WERE SURVEYED.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO LOCATION OF 2006 DETECTION AT VP-29. POOL SW-57 IN WHICH CYSTS FOUND IN 2005 ABOUT 0.5 MILE TO SW (NOT MAPPED).
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO SW-57, WHERE ADULTS WERE DETECTED IN 2006. LOCATION OF BASIN WHERE CYSTS WERE FOUND IN 2005 WAS TO THE SOUTHEAST (NOT MAPPED).
Branchinecta lynchi	vernal pool fairy shrimp	2006: MAPPED TO OCCUPIED POOL 15 ON GRIMSMAN PROPERTY (NORTH END OF FEATURE). 2010: MAPPED TO OCCUPIED POOL SW5 ON "ELVERTA 59 1/2 PROPERTY" FROM ELVERTA SPECIFIC PLAN (SOUTH END OF FEATURE).
Branchinecta lynchi	vernal pool fairy shrimp	WOODCREEK NORTH OPEN SPACE PRESERVE/WETLAND COMPENSATION AREA; POOL #6. IDENTIFIED AS "BLUE OAKS OPEN SPACE," CITY PROPERTY, IN CALIFORNIA PROTECTED AREAS DATABASE.
Branchinecta lynchi	vernal pool fairy shrimp	2014: MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS VP-22, VP-109, AND VP-111. 2015: IN POOLS 22, 23, 109, & 111.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO LOCATIONS OF OCCUPIED POOLS FROM 1997 REPORT AND 2009-2011 FIELD SURVEY FORMS. EXACT LOCATION NOT GIVEN FOR DETECTIONS IN 2002 & 2008.
Branchinecta lynchi	vernal pool fairy shrimp	FOOTHILL BUSINESS PARK MITIGATION SITE, PARCEL 1. 1993: DETECTIONS SOMEWHERE IN T11N R6E SEC 16, ATTRIBUTED HERE. 1995: 12 FEATURES SURVEYED. 1996: 14 FEATURES SURVEYED. 1997: 29 FEATURES SURVEYED. MAPPED TO 1996 & 1997 LOCATIONS.
Branchinecta lynchi	vernal pool fairy shrimp	EAST SIDE OF LEVEE ROAD, WEST SIDE OF WESTERN PACIFIC RAILROAD TRACKS IN RIGHT-OF-WAY.
Branchinecta lynchi	vernal pool fairy shrimp	AMORUSO PROPERTY, POOLS VP-5, VP-15, AND VP-45.
Branchinecta lynchi	vernal pool fairy shrimp	ATHENS PARK PROJECT SITE. MAPPED TO POOLS WHERE BRANCHINECTA CYSTS WERE FOUND.
Branchinecta lynchi	vernal pool fairy shrimp	PARCEL 84 OF A MULTI-PARCEL PRESERVE. MAPPED TO INCLUDE OCCUPIED POOLS N10, N42, N8, NA & NB.
Branchinecta lynchi	vernal pool fairy shrimp	AMORUSO PROPERTY, POOLS SW-48 AND VP-80.
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	FOSKETT RANCH OPEN SPACE PRESERVE "LOT B." MAPPED TO LOCATIONS OF OCCUPIED POOLS #28, 42, AND 43 GIVEN IN 2006 REPORT.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO COORDINATES PROVIDED.
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	1995: 15 WETLANDS SAMPLED AMONG PARCELS 72 (EO #44, THIS OCCURRENCE) & 32 (EO #635); EXACT DETECTION LOCATIONS UNKNOWN. 1996: 10 SAMPLED. 1997: 13 SAMPLED. MAPPED TO LOCATION OF 2010-2011 DETECTIONS FROM 2013 SHAPEFILE.
Branchinecta lynchi	vernal pool fairy shrimp	OLYMPUS OAKS PROJECT SITE, AKT DEVELOPMENT.
Branchinecta lynchi	vernal pool fairy shrimp	OLYMPUS OAKS PROJECT SITE, AKT DEVELOPMENT..
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	VERNAL POOL AT THIS SITE NUMBERED VP42, MAX SURFACE AREA ABOUT 10 METERS BY 13 METERS & 35 CM DEEP. B. LYNCHI FOUND IN 1 OF 65 SEASONAL WATERBODIES SURVEYED BETWEEN 28 JAN & 24 MAR 2000.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO OCCUPIED POOL MCC95B (=M95B), PER PROVIDED MAPS AND COORDINATES.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO PROVIDED COORDINATES.
Branchinecta lynchi	vernal pool fairy shrimp	1993 LOCATION GIVEN ONLY AS T11N, R4E, SECTION 26. MAPPED TO COORDINATES GIVEN FOR 2011 DETECTION.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO COORDINATES GIVEN ON 2011 FIELD SURVEY FORM. NEAR ROAD AND ABANDONED RAILROAD GRADE.
Branchinecta lynchi	vernal pool fairy shrimp	GLADDING PARKWAY PROJECT SITE, MAPPED TO LOCATION GIVEN FOR BASIN 5.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO OCCUPIED POOL #590.
Branchinecta lynchi	vernal pool fairy shrimp	CALIFORNIA MOTOCROSS PROJECT SITE. MAPPED TO PROVIDED SHAPEFILE.
Branchinecta lynchi	vernal pool fairy shrimp	MAPPED TO GIVEN COORDINATES.
Branchinecta lynchi	vernal pool fairy shrimp	D.R. STEPHENS CENTRAL PROPERTY WITHIN THE ELVERTA SPECIFIC PLAN PROPERTIES. MAPPED TO LOCATION GIVEN FOR POOL SW3.
Branchinecta lynchi	vernal pool fairy shrimp	ELVERTA PALLADAY PROPERTY FROM ELVERTA SPECIFIC PLAN. MAPPED TO LOCATION GIVEN FOR OCCUPIED POOLS V21, POND, AND D2.
Branchinecta lynchi	vernal pool fairy shrimp	CLEMETSON PROPERTY. MAPPED TO COORDINATES GIVEN FOR FEATURE SW-2.
Branchinecta lynchi	vernal pool fairy shrimp	MCCLELLAN BUSINESS PARK. MAPPED TO GIVEN COORDINATES FOR POOLS #9 AND 32.

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SNAME	CNAME	LOCDETAILS
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	LINCOLN CROSSING MITIGATION SITE. 1996: 42 TOTAL POOLS SURVEYED. 1998: 20 TOTAL POOLS SURVEYED.
Branchinecta lynchi	vernal pool fairy shrimp	LINCOLN CROSSING MITIGATION SITE. 1996: 42 TOTAL WATERBODIES SURVEYED.
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	IN TOAD HILL RANCH MITIGATION BANK. MAPPED ACCORDING TO PROVIDED MAP.
Lepidurus packardi	vernal pool tadpole shrimp	ROADSIDE DITCHES SOMEWHERE IN SECTION 11.
Lepidurus packardi	vernal pool tadpole shrimp	ROADSIDE DITCHES SOMEWHERE IN SECTION 26.
Lepidurus packardi	vernal pool tadpole shrimp	SEASONAL WETLANDS, INNUNDATED APPROXIMATELY >30 DAYS DURING WINTER 1998. LOCATION GIVEN ONLY AS T9N, R5E, SECTION 19. SNAPPED TO EXISTING MAPPED VERNAL POOLS.
Lepidurus packardi	vernal pool tadpole shrimp	S-MOST 2 POLYGONS MAPPED TO 1995-1996 DETECTIONS ON USAF LINCOLN COMMUNICATIONS FACILITY. REMAINING POLYGONS REPRESENT 2006-2013 DETECTIONS ON WESTERN PLACER SCHOOLS CONSERVATION BANK (WPCB) (EXACT LOCATIONS NOT GIVEN FOR 2006 DETECTIONS).
Lepidurus packardi	vernal pool tadpole shrimp	AKA WOODCREEK OAKS MITIGATION SITE. 1993: EXACT DETECTION LOCATION UNKNOWN; SOMEWHERE IN TRS SEC 29. 1995: MAPPED TO LOCATION GIVEN FOR POOL C2 ON MAP IN SUGNET REPORTS; SPECIMEN LOCALITY GIVEN AS "NW 1/4 OF SW 1/4 SECTION 28, T11N R06E."
Lepidurus packardi	vernal pool tadpole shrimp	MAPPED TO GIVEN COORDINATES; MAPPED NON-SPECIFICALLY BECAUSE IT SEEMS LIKELY THAT THE CYST FOUND MAY HAVE BEEN TRANSPORTED FROM A NEARBY WETLAND.
Lepidurus packardi	vernal pool tadpole shrimp	
Lepidurus packardi	vernal pool tadpole shrimp	
Emys marmorata	western pond turtle	
Gonidea angulata	western ridged mussel	SPECIMEN LOCALITY GIVEN ONLY AS "SACRAMENTO." EXACT COLLECTION LOCATION UNKNOWN, MAPPED GENERALLY CENTERED ON SACRAMENTO.
Spea hammondii	western spadefoot	MAPPED TO DESCRIPTION GIVEN (TOWNSHIP, SECTION AND ELEVATION DON'T MATCH SITE DESCRIPTION).
Spea hammondii	western spadefoot	MAPPED ACCORDING TO MAP PROVIDED. SOUTH POLYGON IS THE ESTIMATED LOCATION OF CALLING SPADEFOOTS HEARD FROM ROAD.
Spea hammondii	western spadefoot	MAPPED ACCORDING TO MAP PROVIDED.
Spea hammondii	western spadefoot	MAPPED ACCORDING TO PROVIDED MAP.
Spea hammondii	western spadefoot	MAPPED ACORDING TO MAP PROVIDED.
Spea hammondii	western spadefoot	MAPPED TO THE PROVIDED COORDINATES AND MAP.
Spea hammondii	western spadefoot	POOLED AREAS BETWEEN TRACKS AND DEVELOPMENT. MAPPED TO THE PROVIDED COORDINATES.
Spea hammondii	western spadefoot	MAPPED TO COORDINATES PROVIDED.
Spea hammondii	western spadefoot	MAPPED TO COORDINATES PROVIDED.
Spea hammondii	western spadefoot	MAPPED ACCORDING TO MAP PROVIDED.
Spea hammondii	western spadefoot	5 CONSTRUCTED VERNAL POOLS AND TRIBUTARY TO KASEBERG CREEK. MAPPED TO SITE DESCRIPTION (ELEVATION GIVEN DOESN'T MATCH).
Spea hammondii	western spadefoot	
Coccyzus americanus occidentalis	western yellow-billed cuckoo	1877 EXPEDITION CONDUCTED IN "VICINITY OF SACRAMENTO CITY...WHERE VEGETATION WAS NOURISHED BY THE PRESENCE OF WATER." MAPPED GENERALLY CENTERED ON SACRAMENTO.
Elanus leucurus	white-tailed kite	
Elanus leucurus	white-tailed kite	NEST SITE IS LOCATED 400 FEET WEST OF THE BIKE TRAIL CROSSING OF DRY CREEK SOUTH.
Elanus leucurus	white-tailed kite	
Elanus leucurus	white-tailed kite	
Elanus leucurus	white-tailed kite	
Elanus leucurus	white-tailed kite	
Elanus leucurus	white-tailed kite	
Elanus leucurus	white-tailed kite	
Elanus leucurus	white-tailed kite	SITE IS LOCATED ALONG THE BORDER BETWEEN WOODCREEK GOLF COURSE AND HEWLETT-PACKARD.
Elanus leucurus	white-tailed kite	NEST SITE LOCATED SOUTH OF POND AND EAST OF THE TENNIS COURTS, BORDERING THE FENCELINE; DEVELOPED PARK ON ONE SIDE AND LINDA CREEK RIPARIAN AREA ON THE OTHER.
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	ON BOTH SIDES OF LOW-FLOW BRIDGE, AND EXTENDING SOUTH ALONG WESTERN SIDE OF CANAL FOR 0.5 MILE, ENDING AT RIPARIAN FOREST. MAPPED FROM 2015 PIMENTEL COORDINATES AND LOCATION DESCRIPTION, MOSTLY IN THE SW 1/4 OF SECTION 27.

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SNAME	CNAME	ECOLOGICAL
Juncus leiospermus var. ahartii	Ahart's dwarf rush	VERNAL POOLS AND SWALES ON GOPHER TURNINGS. DOMINANTS ARE LASTHENIA FREMONTII, DESCHAMPSIA DANTHONIOIDES, AND ERYNGIUM VASEYI. SPECIES TENDS TOWARDS POOL MARGINS AND IS ASSOCIATED WITH J. CAPITATUS, J. UNCIALIS, GRATIOLA, AND MIMULUS.
Alkali Meadow	Alkali Meadow	LOW DISTICHLIS MEADOWS W/PATCHES OF BARE WHITE SALT ENCRUSTED SOIL. OCCURS BETWEEN SEEPS DOMINATED BY OLNEY BULLRUSH. MOSAIC OF DIFF COVER TYPES. SPECIES LIST ON FILE AT CNDDB.
Alkali Seep	Alkali Seep	SEEPS AND OLNEY BULLRUSH DOM. OCCURS IN PATCHES W/ALKALI MEADOW BTWN A HOMOGENEOUS STAND OF VEG APPROX 1 M TALL. FRESHWATER SEEP OCCURS ABOVE ALKALINE-SEEP. FILL HAS BEEN ILLEGALLY DISCHARGED INTO SITE AS OF 1989.
Andrena subapasta	An andrenid bee	FEMALES OF THIS SPECIES COLLECT POLLEN PRIMARILY FROM ARENARIA, BUT ALSO ORTHOCARPUS ERIANTHUS AND LASTHENIA SP.
Andrena subapasta	An andrenid bee	FEMALES OF THIS SPECIES COLLECT POLLEN PRIMARILY FROM ARENARIA, BUT ALSO ORTHOCARPUS ERIANTHUS AND LASTHENIA SP.
Riparia riparia	bank swallow	
Riparia riparia	bank swallow	
Balsamorhiza macrolepis	big-scale balsamroot	SANDY HILLSIDES.
Balsamorhiza macrolepis	big-scale balsamroot	OPEN VALLEY PLAIN.
Nycticorax nycticorax	black-crowned night heron	HABITAT IS A DENSE WILLOW RIPARIAN STRIP, APPROXIMATELY 20-30 M WIDE, WITH A FEW TALL COTTONWOOD TREES. SURROUNDING HABITAT CONSISTS OF RICE FIELDS AND DRY CROP AGRICULTURE.
Nycticorax nycticorax	black-crowned night heron	THE NIGHT-HERON COLONY OCCURS IN BLACKBERRIES AND OCCASIONAL WILLOWS THAT LINE THE SIDESLOPES OF THE NATURAL DRAINAGE COURSE OF THE CREEK.
Gratiola heterosepala	Boggs Lake hedge-hyssop	DRIED-UP AND VERY SHALLOW VERNAL POOLS.
Gratiola heterosepala	Boggs Lake hedge-hyssop	NORTHERN HARDPAN VERNAL POOL ON EXCHEQUER VERY STONY LOAM SOIL. ASSOCIATED VEGETATION INCLUDES ERYNGIUM VASEYI, ALLOCARYA STIPATATA MICRANTHA, CALLITRICHE LONGIPEDUNCULATA, DOWNINGIA ORNATISSIMA, ISOETES SP, GRATIOLA EBRACTEATA, ETC.
Gratiola heterosepala	Boggs Lake hedge-hyssop	ASSOCIATED WITH PLAGIOBOTHRYS STIPITATUS STIPITATUS, DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, G. EBRACTEATA, NAVARRETIA LEUCOCEPHALA, AND DOWNINGIA PUSILLA (ALSO RARE).
Gratiola heterosepala	Boggs Lake hedge-hyssop	NORTHERN MUDFLOW VERNAL POOL IN OPEN ANNUAL GRASSLAND NEAR EDGE OF OAK WOODLAND. GRATIOLA EBRACTEATA ALSO FOUND IN DEEPER VERNAL POOLS IN THE AREA.
Gratiola heterosepala	Boggs Lake hedge-hyssop	OCCURS IN ONE OF THE DEEPER BASIN VERNAL POOLS IN THE AREA; ONLY VERNAL POOL WITH STANDING WATER AT TIME OF SURVEY (1-2"). ASSOCIATED WITH ERYNGIUM VASEYI, NAVARRETIA LEUCOCEPHALA, DOWNINGIA BICORNUTA, AND THE RARE DOWNINGIA PUSILLA.
Athene cunicularia	burrowing owl	
Athene cunicularia	burrowing owl	HABITAT IS OPEN GRASSLAND WITH CUT SOIL BANKS.
Athene cunicularia	burrowing owl	OWLS ARE USING GROUND SQUIRREL BURROWS SURROUNDED BY NON-NATIVE GRASSLAND TO THE EAST AND (IN 1991) FALLOW AGRICULTURAL FIELDS TO THE WEST.
Athene cunicularia	burrowing owl	HABITAT CONSISTS OF ARID ANNUAL GRASSLAND ON A 2-12' SLOPE (BLUFF); RESIDENTIAL DEVELOPMENT FOUND ALONG THE WEST SIDE OF THIS SITE. ALSO DESCRIBED AS "PASTURE/GRASSLAND/GRAVEL LOT."
Athene cunicularia	burrowing owl	THE 2006 BURROW SITE IS LOCATED ON BANK FILL, ON ~30% SLOPE; DOMINANT PLANTS INCLUDE HORDEUM MURINUM SSP. LEPORINUM, GERANIUM DISSECTUM, AVENA FATUA, AND VULPIA MYUROS. SOILS ARE NON-NATIVE, AS EVIDENCE OF PAST DISTURBANCE IS PRESENT.
Athene cunicularia	burrowing owl	HABITAT CONSISTS OF MODERATELY-GRAZED, ROLLING GRASSLAND, WITH NO EVIDENCE OF HISTORIC SOIL DISTURBANCE. SITE WOULD BE BETTER IF MORE BURROWS WERE PRESENT; HARD SOILS AND LACK OF GROUND SQUIRRELS MAY BE THE CAUSE.
Athene cunicularia	burrowing owl	MAN-MADE LEVEES ALONG A CANAL, WITH HOUSES AND BUISINESSES IMMEDIATELY ADJACENT TO THE CANAL ON BOTH SIDES. THE AREA IS REGULARLY USED BY FISHERMEN, JOGGERS AND PEOPLE WALKING THEIR DOGS.
Athene cunicularia	burrowing owl	HOUSES AND BUSINESSES ARE IMMEDIATELY ADJACENT TO THE CANAL ON EITHER SIDE OF THE LEVEES.
Athene cunicularia	burrowing owl	IRRIGATION CANAL BANK.
Athene cunicularia	burrowing owl	TILLED EARTH WITH WEEDS. MAN-MADE HOLES FOR UTILITY CABLES USED AS BURROWS. SEVERAL JACKRABBITS BUT NO GROUND SQUIRRELS OBSERVED. SURROUNDING FIELDS APPEARED DISKED; OWLS MAY EVENTUALLY BE EXTIRPATED HERE (2012). FUTURE MONITORING NEEDED.
Athene cunicularia	burrowing owl	2006: HABITAT SURROUNDING BURROW SITE CONSISTS OF ANNUAL GRASSLAND.
Athene cunicularia	burrowing owl	RICE FIELDS TO THE WEST, NEW HOUSING TO SE.
Athene cunicularia	burrowing owl	2003: NO VEGETATION AT THE SITE, RICE AND PASTURE IN SURROUNDING AREA. 2006: IDLE OR FALLOW FIELD.
Athene cunicularia	burrowing owl	
Athene cunicularia	burrowing owl	HABITAT SURROUNDING BURROW SITE CONSISTS OF CROPLAND, AS WELL AS A FRESHLY-PLOWED AIRSTRIP.
Athene cunicularia	burrowing owl	SURROUNDING LAND COMPRISED OF RICE CROPS. BURROWS ADJACENT TO CEMENT DRAINAGE CANAL.
Athene cunicularia	burrowing owl	HABITAT CONSISTS OF MIXED NATIVE AND NON-NATIVE GRASSLAND, WHICH IS WITHIN A VERNAL POOL RESTORATION PROJECT AREA. SURROUNDED BY GRAZED AND UNGRAZED PASTURES.
Athene cunicularia	burrowing owl	HABITAT CONSISTS OF OPEN GRASSLAND; DOMINATED BY B. HORDEACEUS, V. BROMOIDES, T. CAPUT-MEDUSAE, H. GLABRA, AND H. MARINUM. VERNAL POOL COMPLEXES ARE ALSO LOCATED ON THE PROPERTY.
Athene cunicularia	burrowing owl	HABITAT CONSISTS OF A GRASSY KNOLL CONTAINING BURROWS CONSTRUCTED BY GROUND SQUIRRELS THAT ARE BEING USED BY BUOW'S FOR NESTING.
Athene cunicularia	burrowing owl	ADJACENT TO HEAVILY USED HIGHWAY ONRAMP.
Athene cunicularia	burrowing owl	PASTURE (FOR HORSE & COWS).
Athene cunicularia	burrowing owl	HABITAT CONSISTS OF A MANMADE LEVEE FOR THE DRAINAGE CANAL; SURROUNDED BY ENCROACHING DEVELOPMENT.
Athene cunicularia	burrowing owl	HABITAT CONSISTS OF DRY NON-NATIVE GRASSLAND/BERM AREA. SITE CONSISTS OF SANDY SOIL, WITH MULTIPLE BURROWS ALONG THE CANAL. AN ACTIVE GROUND SQUIRREL POPULATION IS PRESENT.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF SEASONAL WETLANDS, REFERENCE VERNAL POOLS, AND CONSTRUCTED VERNAL POOLS WITHIN A DESIGNATED WETLAND MITIGATION AREA. SURROUNDING UPLAND CONSISTS OF NON-NATIVE ANNUAL GRASSLAND/MIXED OAK WOODLAND.
Linderiella occidentalis	California linderiella	CONSTRUCTED AND EXISTING SEASONAL WATERBODIES WITHIN NON-NATIVE ANNUAL GRASSLAND. STILL UNDEVELOPED IN 2010 NAIP AERIAL IMAGE.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF NATURALLY OCCURRING VERNAL POOLS. FLATWORMS, SNAILS, HALIPLID BEETLES, WATER STRIDERS, COPEPODS, WATER FLEAS, SEED SHRIMP, CLAM SHRIMP, DYTISCID BEETLES, AND WATER BOATMEN ALSO FOUND HERE.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	SEASONAL WATERBODIES (VERNAL POOLS, SEASONAL WETLANDS) WITHIN NON-NATIVE ANNUAL GRASSLAND.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF VERNAL POOLS (WITHIN A VERNAL POOL COMPLEX) SURROUNDED BY ANNUAL GRASSLAND. POOL DEPTH AT SAMPLING: 13 CM. SURFACE AREA AT SAMPLING: 30 M X 7 M. AREA IS A WETLAND MITIGATION SITE.
Linderiella occidentalis	California linderiella	ENDEMIC VEGETATION: RANUNCULUS ALVEOLATUS, ERYNGIUM VASEYI, PLAGIOBOTHRYS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIOIDES, NAVARRETIA LEUCOCEPHALA.
Linderiella occidentalis	California linderiella	SEASONALLY INUNDATED WATERBODIES (VERNAL POOLS, SEASONAL WETLANDS) W/IN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE. ADJACENT AREAS HAVE BEEN DEVELOPED FOR RESIDENTIAL HOUSING BY 2010.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	SEASONAL WATERBODIES WITHIN NON-NATIVE ANNUAL GRASSLAND.
Linderiella occidentalis	California linderiella	NORTHERN HARDPAN VERNAL POOL HABITAT WITH CONSTRUCTED VERNAL POOLS (3.95 ACRES), CONSTRUCTED SEASONAL WETLANDS (1.95 ACRES), AND REFERENCE VERNAL POOLS IN ANNUAL GRASSAND.
Linderiella occidentalis	California linderiella	CONSTRUCTED AND HISTORIC WETLANDS (VERNAL POOLS, SEASONAL WETLANDS) ARE INTERSPERSED WITHIN NON-NATIVE ANNUAL GRASSLAND.
Linderiella occidentalis	California linderiella	PROPERTY CONSISTS OF NON-NATIVE ANNUAL GRASSLAND.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	HARDPAN VERAL POOL IN ANNUAL NON-NATIVE GRASSLAND. ON 2/9/95 THE SURFACE AREA WAS 129 SQ METERS & THE DEPTH WAS 16 CM. WETLAND COMPENSATION/MITIGATION PRESERVE.
Linderiella occidentalis	California linderiella	SEASONAL WETLANDS ADJACENT TO A ROAD.
Linderiella occidentalis	California linderiella	NATURAL VERNAL POOLS IN OPEN SPACE PRESERVE. DEVELOPMENT IS TAKING PLACE ALONG THE PRESERVE BOUNDARY.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF CONSTRUCTED AND HISTORIC VERNAL POOLS WITHIN AN ANNUAL GRASSLAND HABITAT; WETLAND COMPENSATION AREA. SITE IS UNDER POWER LINES.
Linderiella occidentalis	California linderiella	A ROADSIDE VERNAL POOL AND SEASONAL WETLAND.
Linderiella occidentalis	California linderiella	CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITHIN NON-NATIVE ANNUAL GRASSLAND. BRANCHINECTA LYNCHI ALSO OBSERVED IN AREA IN 1995, BUT NOT IN 1996 OR 1997.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	CONSTRUCTED VERNAL POOLS (1.5 ACRES) IN AREA DOMINATED BY NON-NATIVE ANNUAL GRASSLAND SURROUNDED BY DEVELOPMENT. 1/8/98: VP7 SURFACE AREA 4X12 M, DEPTH 10 CM; VP10 SURFACE AREA 4X8 M, DEPTH 10 CM. 2/27/98: VP7 SURFACE AREA 4X16 M, DEPTH 16.
Linderiella occidentalis	California linderiella	VERNAL POOLS WITH ALGAE, GRASS, OR MUD BOTTOMS, 2 TO 40 INCHES IN MAXIMUM DEPTH; IN ANNUAL GRASSLAND. OSTRACODS, COPEPODS, TREE FROG TADPOLES ALSO FOUND; B. LYNCHI CO-OCCURRED IN 1 POOL.
Linderiella occidentalis	California linderiella	VERNAL POOLS.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF PRESERVE WITH CONSTRUCTED AND HISTORIC VERNAL POOLS WITHIN A NON-NATIVE ANNUAL GRASSLAND. SURROUNDED BY URBAN AREAS AND DEVELOPMENT.
Linderiella occidentalis	California linderiella	EPHEMERAL, ROADSIDE WATER FEATURES JOINED BY A CULVERT.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF ANNUAL GRASSLAND WITH CONSTRUCTED AND HISTORIC VERNAL POOLS SURROUNDED BY OAK WOODLAND. BRANCHINECTA LYNCHI ALSO FOUND HERE.
Linderiella occidentalis	California linderiella	ANNUAL GRASSLAND & OAK SAVANNAH WITH VERNAL POOLS INTERSPERSED. POOL #214 HAD GRASS BOTTOM, ABOUT 30 FT X 15 FT & 10 INCHES DEEP. POOL #215 HAD ALGAE & GRASS BOTTOM, ABOUT 180 FT X 20 FT & 10 INCHES DEEP. POOL 141 HAD ALGAE & MUD BOTTOM.
Linderiella occidentalis	California linderiella	VERNAL POOL COMPLEX.
Linderiella occidentalis	California linderiella	CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITH NON-NATIVE ANNUAL GRASSLAND.
Linderiella occidentalis	California linderiella	A VERNAL SWALE AND VERNAL POOL.
Linderiella occidentalis	California linderiella	AN EPHEMERAL BASIN AND SEASONAL WETLAND ALONG A RAILROAD RIGHT-OF-WAY.
Linderiella occidentalis	California linderiella	1988 NOTES INCLUDED: MEDIUM TURBIDITY; WATER 11.2C; POOL 80 X 8 X 0.8 M; NO CATTAILS; COYOTE THISTLE; CLAM SHRIMP PRESENT. HABITAT APPEARS TO BE EXTANT. SIGNIFICANT PONDING CAN BE SEEN IN GOOGLE STREETVIEW (APR 2012).
Linderiella occidentalis	California linderiella	ENDEMIC VEGETATION: RANUNCULUS ALVEOLATUS, ERYNGIUM VASEYI, PLAGIOBOTHRYS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIOIDES, NAVARRETIA LEUCOCEPHALA.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF A COMPENSATION (CONSTRUCTED) VERNAL POOL.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF A HISTORIC VERNAL POOL.
Linderiella occidentalis	California linderiella	HABITAT CONSISTS OF ANNUAL GRASSLAND ON A LEVEL TO GENTLY-SLOPING SLOPE. SOIL PROFILE INCLUDES HARDPAN.
Linderiella occidentalis	California linderiella	A SEASONAL WETLAND.
Linderiella occidentalis	California linderiella	A ROADSIDE VERNAL POOL.
Linderiella occidentalis	California linderiella	POTENTIAL BRANCHIOPOD HABITAT PER 2007 REPORT.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	DEPRESSION APPARENTLY CREATED DURING CONSTRUCTION OF RR GRADE. SEASONAL POOL, AT TIME OF SURVEY IT WAS ~20 FT WIDE & 325 FT LONG WITH ~1 FOOT OF WATER. PLANTS: LOLIUM PERENNE, PHULA NODIFLORA, ERYNGIUM VASEYI, PLAGIOBOTHRYS STIPITATUS.
Linderiella occidentalis	California linderiella	NATURAL VERNAL POOLS INTERSPERSED AMONG ANNUAL GRASSLANDS AND OAK WOODLAND/SAVANNAH HABITAT.
Linderiella occidentalis	California linderiella	HEAVILY GRAZED NORTHERN HARDPAN VERNAL POOL; SOIL IS MAPPED AS SAN JOAQUIN SERIES WITH HARDPAN UNDERNEATH; HYDROLOGY IS CONTROLLED BY ~10 ACRE DRAINAGE AREA; PLANTS: RANUNCULUS, PHYLA, LIAEA, AND PLAGIOBOTHRYS.
Linderiella occidentalis	California linderiella	NORTHERN HARDPAN VERNAL POOL; DOMINANT PLANTS: PLAGIOBOTHRYS STIPITATUS VAR. MIRCANTHUS; P. GRENEI; PSILOCARPHUS OREGANUS; P. BREVISSIMUS; GRATIOLA EBRACTEATA; LYTHRUM HYSSOPIFOLIA; POLYGONUM AVICULARE AND DOWNINGIA PUSILLA.
Linderiella occidentalis	California linderiella	NORTHERN HARDPAN VERNAL POOL ON SAN JOAQUIN SERIES SOIL; DOMINANT PLANTS: PLAGIOBOTHRYS, ERYNGIUM, GRATIOLA, LASTHERIA, RANUNCULUS, AND LIMNANTHUS. WATER WAS 6-10 INCHES DEEP IN FEBRUARY 1993. SITE CONTAINED WATER UNTIL LATE APRIL 1993.
Linderiella occidentalis	California linderiella	SEASONALLY INUNDATED DEPRESSION NEXT TO FLOOD CONTROL LEVEE; DOMINATED BY FACULTATIVE UPLAND GRASSES AND HERBS; SOIL MAPPED AS SAN JOAQUIN SERIES UNDERLAIN BY CARBONATE-CEMENTED HARDPAN; HYDROLOGY MAY BE DUE TO FILL FOR EAST LEVEE.
Linderiella occidentalis	California linderiella	
Linderiella occidentalis	California linderiella	A NATURAL VERNAL POOL INTERSPERSED AMONG ANNUAL GRASSLAND & OAK WOODLAND/SAVANNAH HABITAT. SURROUNDING AREAS HAVE GRAZING & RICE FARMING.
Linderiella occidentalis	California linderiella	VERNAL POOLS INTERSPERSED AMONG ANNUAL GRASSLANDS AND OAK WOODLAND/SAVANNAH HABITAT.
Linderiella occidentalis	California linderiella	SEASONAL WETLAND/VERNAL POOL HABITAT IN NON-NATIVE GRASSLAND, ORCHARDS, OAK WOODLAND & PORTIONS OF SAN JUAN & ARCADE CREEKS W/ ASSOCIATED DRAINAGES; PLANT SPECIES: AVENA SP., BROMUS RIGIDUS, B. MOLLIS, PERENNIAL RYE, ERODIUM & VICIA SPP.
Linderiella occidentalis	California linderiella	3 VERNAL POOLS WITH ALGAE OR GRASS BOTTOMS IN ANNUAL GRASSLAND. POOL SIZES: 25 FT X 10 FT, 50 X 15 FT & 150 X 50 FT WITH MAX DEPTHS OF 4, 6 & 12 INCHES. OSTRACODS, COPEPODS, FLATWORMS, BEETLES, & INSECT LARVAE ALSO FOUND IN POOLS.
Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	WILD RUNS OF 100S TO LOW 1000S RECORDED, 1943-60. DAM & HATCHERY BUILT 1961-67. GRAVEL AUGMENTATION SCHEDULED, 2008. LOW THREAT OF REDD DEWATERING & JUVENILE FISH STRANDING DOCUMENTED IN 2006 & '08. NON-NATIVE PREDATORY FISH COMMON IN HFC.
Branchinecta conservatio	Conservancy fairy shrimp	IN COMPLEX OF SEVERAL HUNDRED BASINS. VERNAL POOL WITH B. CONSERVATIO WAS 0.208 ACRE, OBLONG, ORIENTED N-S, LOW TURBIDITY, ESTIMATED MAX PONDING DEPTH 13", AVERAGE DEPTH 7", LOW CONCENTRATION OF INVERTEBRATES, VEGETATION, AND ALGAE.
Downingia pusilla	dwarf downingia	NORTHERN HARDPAN VERNAL POOLS DOMINATED BY DOWNINGIA BICORNUTA, RANUNCULUS BONARIENSIS VAR. TRISEPALUS, LYTHRUM HYSSOPIFOLIA, AND LASTHENIA FREMONTII.
Downingia pusilla	dwarf downingia	WETLAND SWALE WITH 70% BARE GROUND / THATCH. ASSOCIATED WITH PLAGIOBOTHRYS BRACTEATA AND ERYNGIUM VASEYI. SWALE CONTINUES OFF SITE.
Downingia pusilla	dwarf downingia	VERNAL POOL ON CLAYPAN SUBSTRATE. ASSOCIATED WITH DOWNINGIA BICORNUTA, D. ORNATISSIMA, ALLOCARYA STIPITATA MICRANTHA.
Downingia pusilla	dwarf downingia	VERNAL POOL ON INKS-EXCHEQUER SOILS. ASSOCIATED WITH ALLOCARYA STIPITATA MICRANTHA, ALOPECURUS HOWELLII, LASTHENIA CHRYSOSTOMA, AND ERYNGIUM VASEYI.
Downingia pusilla	dwarf downingia	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYS STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.

CNDDB 10 Miles
December 2021

SNAME	CNAME	ECOLOGICAL
Downingia pusilla	dwarf downingia	NORTHERN CLAYPAN VERNAL POOLS ON SAN JOAQUIN SOIL SERIES AND NORTHERN VOLCANIC MUDFLOW VERNAL POOLS ON EXCHEQUER SERIES SOILS. ASSOCIATED WITH PLAGIOBOTHRYS STIPITATUS, DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, NAVARRETIA LEUCOCEPHALA, ETC.
Downingia pusilla	dwarf downingia	NORTHERN HARDPAN VERNAL POOL ON SAN JOAQUIN-COMETA SANDY SOILS. ASSOCIATED WITH ERYNGIUM VASEYI, ELEOCHARIS MACROSTACHYA, NAVARRETIA LEUCOCEPHALA, LASTHENIA FREMONTII, RANUNCULUS BONARIENSIS, PLAGIOBOTHRYS, DOWNINGIA SPP, AND CUSCUTA.
Downingia pusilla	dwarf downingia	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYS STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.
Downingia pusilla	dwarf downingia	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYS STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.
Downingia pusilla	dwarf downingia	SHALLOW VERNAL POOLS ON COMETA-FIDDYMENT SOILS COMPLEX. ASSOCIATED WITH ALLOCARYA STIPITATA MICRANTHA, CRASSULA AQUATICA, DOWNINGIA ORNATISSIMA, AND GRATIOLA EBRACTEATA.
Downingia pusilla	dwarf downingia	LARGE VERNAL POOLS WITH DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, PSILOCARPHUS BREVISSIMUS, GRATIOLA EBRACTEATA, AND PLAGIOBOTHRYS STIPITATUS. LEGENERE LIMOSA ALSO PRESENT.
Downingia pusilla	dwarf downingia	GROWING IN SATURATED SOIL IN NORTHERN HARDPAN VERNAL POOL. ASSOCIATED WITH PLAGIOBOTHRYS BRACTEATUS, ELEOCHARIS MACROSTACHYA, MARSILEA VESTITA, AND PSILOCARPHUS OREGANUS. SOILS ARE A HYDRIC INCLUSION WITHIN COMETA LOAM.
Downingia pusilla	dwarf downingia	IN MIDDLE OF VERNAL POOL. ASSOCIATED WITH PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS, LASTHENIA GLABERRIMA, GRATIOLA EBRACTEATA, DOWNINGIA BICORNUTA, AND DOWNINGIA ORNATISSIMA.
Downingia pusilla	dwarf downingia	NORTHERN HARDPAN VERNAL POOL DOMINATED BY PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS AND HEMIZONIA. LINDERIELLA OCCIDENTALIS HAS ALSO BEEN OBSERVED IN THIS POOL.
Downingia pusilla	dwarf downingia	NORTHERN HARDPAN VERNAL POOL ON SAN JOAQUIN SOILS. ASSOCIATED WITH PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS, ERYNGIUM VASEYI, LASTHENIA GLABERRIMA, RANUNCULUS BONARIENSIS VAR. TRISEPALUS, AND LIMNANTHES DOUGLASII.
Downingia pusilla	dwarf downingia	GRASSLAND WITH SEASONAL WETLANDS AND VERNAL POOLS. ASSOCIATED WITH RANUNCULUS BONARIENSIS VAR. TRISEPALUS AND PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS.
Downingia pusilla	dwarf downingia	GROWING ON BORDER OF A CREATED PONDED DEPRESSION IN ASSOCIATION WITH GRATIOLA EBRACTEATA, DOWNINGIA ORNATISSIMA, AND ELEOCHARIS MACROSTACHYA. WAS NOT A TYPICAL VERNAL POOL BUT A SEMI-PERMANANT MARSH WITH WILLOWS AND TULES.
Downingia pusilla	dwarf downingia	NORTHERN VOLCANIC MUDFLOW VERNAL POOL. ASSOCIATED WITH PLAGIOBOTHRYS STIPITATUS, DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, NAVARRETIA LEUCOCEPHALA, PILULARIA AMERICANA, RANUNCULUS BONARIENSIS, GRATIOLA HETEROSEPALA, AND G. EBRACTEATA.
Downingia pusilla	dwarf downingia	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYS STIPITATUS, POGOGYNE ZIZYPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARRETIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.
Downingia pusilla	dwarf downingia	WETLAND SWALE. ASSOCIATED W/ RANUNCULUS BONARIENSIS TRISEPALUS, PLAGIOBOTHRYS STIPITATUS, AND ERYNGIUM VASEYI. SURROUNDING LANDSCAPE CONSISTS OF UNDULATING GRASSLAND WITH VERNAL POOLS, SWALES, AND PLEASANT GROVE CREEK.
Downingia pusilla	dwarf downingia	VERNAL POOL. ASSOCIATED WITH DOWNINGIA BICORNUTA, PSILOCARPHUS BREVISSIMUS VAR. BREVISSIMUS, PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS, RANUNCULUS BONARIENSIS, ETC.
Downingia pusilla	dwarf downingia	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYS STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.
Downingia pusilla	dwarf downingia	POOL DOMINATED BY ELEOCHARIS MACROSTACHYA. ASSOCIATED WITH DOWNINGIA BICORNUTA, POLYPOGON MONSPELIENSIS, FESTUCA PERENNIS, CALLITRICHE MARGINATA, PILULARIA AMERICANA, CRASSULA AQUATICA, PSILOCARPHUS BREVISSIMUS, ERYNGIUM CASTRENSE, ETC.
Downingia pusilla	dwarf downingia	MAN-MADE DITCH. ASSOC W/ RANUNCULUS BONARIENSIS TRISEPALUS, PLAGIOBOTHRYS STIPITATUS, AND ERYNGIUM VASEYI. SURROUNDING LANDSCAPE CONSISTS OF UNDULATING GRASSLAND WITH VERNAL POOLS, SWALES, AND PLEASANT GROVE CREEK.
Downingia pusilla	dwarf downingia	VERNAL POOL. ASSOCIATED WITH RANUNCULUS BONARIENSIS TRISEPALUS, PLAGIOBOTHRYS STIPITATUS, AND ERYNGIUM VASEYI. SURROUNDING LANDSCAPE CONSISTS OF UNDULATING GRASSLAND WITH VERNAL POOLS, SWALES, AND PLEASANT GROVE CREEK.
Downingia pusilla	dwarf downingia	VERNAL POOL. ASSOCIATED WITH LASTHENIA FREMONTII, ERYNGIUM CASTRENSE, PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS, AND LEONTODON TARAXACUM.
Thamnophis gigas	giant gartersnake	MONITORED SINCE 1995. MANAGED WETLAND HABITAT CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP BANKS VEGETATED WITH GRASSES & RUDERALS. CANAL PROPER DENSELY VEGETATED WITH BULRUSH, CATTAIL, SMARTWEED, AND WATER PRIMROSE. RICE FIELDS ADJACENT.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF MANAGED WETLANDS & DRAINAGE DITCHES (10 FT ACROSS, 4-6 FT DEEP, BANKS 1-4 FT HIGH) VEGETATED WITH BULRUSH, CATTAILS, WATER PRIMROSE, YELLOW STAR THISTLE & SALT GRASS. SURROUNDING LAND WAS RICE FIELDS.
Thamnophis gigas	giant gartersnake	FISHERMANS LAKE IS A WIDE, SHALLOW PONDED PORTION OF WEST DRAINAGE CANAL, WHICH SUPPORTS TULE/CATTAIL MARSH & RIPARIAN WOODLAND OF COTTONWOOD, WILLOW, POISON OAK & BLACKBERRY. ADJACENT AGRICULTURE WAS RICE.
Thamnophis gigas	giant gartersnake	1986: CANALS 10 FT WIDE WITH STEEP BANKS. BANKS SUPPORTED CATTAILS, TULES, BLACKBERRIES & GRASSES. 2003: FALLOW LAND TO THE NORTH, PREPARATION FOR METRO AIRPARK. WEEDY DICOTS & GRASSES.
Thamnophis gigas	giant gartersnake	WESTERN CANAL: STEEP SLOPES; BANKS DENSELY VEGETATED W/ GRASSES, RUDERALS, & PATCHES OF HIMALAYAN BLACKBERRY; CHANNEL DENSELY VEGETATED W/ BULRUSH, CATTAILS, & WATER PRIMROSE. EASTERN CHANNEL IS IN A MANAGED WETLAND. 2010: CHANNEL CLEARED.
Thamnophis gigas	giant gartersnake	DRAINAGE CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE, W/ STEEP BANKS (GREATER THAN 1:1), DENSELY VEGETATED W/ BULRUSH, CATTAILS, PRIMROSE, & SOFT RUSH; SHALLOW WETLAND BENCHES CHARACTERIZED PREDOMINANTLY BY BULRUSH. SURROUNDED BY RICE FIELDS.
Thamnophis gigas	giant gartersnake	SUBSTRATE WAS MOSTLY OPEN WATER & TERRESTRIAL VEGETATION DOMINATED BY GRASSES. PREY DENSITY WAS LOW W/ SOME TADPOLES PRESENT. ADJACENT FIELD CONDITIONS RANGED FROM DRY FALLOW & DISKED TO FLOODED RICE (2003). BANKS DOMIN BY RUDERALS (2006).
Thamnophis gigas	giant gartersnake	DRAINAGE CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP BANKS (GREATER THAN 1:1). BANKS MODERATELY VEGETATED WITH GRASS, RUDERALS, CATTAILS, BULRUSH, SMARTWEED AND INTERMITTENT WATER PRIMROSE. SURROUNDING AREA IS RICE FIELDS.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF AN IRRIGATION CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP SLOPED BANKS MODERATELY VEGETATED WITH GRASSES AND RUDERALS. SPARSE EMERGENT AQUATIC VEGETATION. IRRIGATION CANAL SURROUNDED BY RICE.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF AGRICULTURAL/ROADSIDE DRAINS; DRAINS HAVE GRASSY BANKS AND TULE/CATTAIL STANDS ALONG THE WATER MARGIN. SURROUNDING LAND USE IS RICE/WHEAT AGRICULTURE.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	1986: STEEP 10 FT BANKS SUPPORT MOSTLY ANNUAL GRASSES & THISTLES, WITH SOME TULE & CATTAIL IN DITCHES. 2008 AERIAL PHOTOS SHOW THIS AREA IS ALMOST COMPLETELY DEVELOPED.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	N-S DRAIN (DITCH) LINKING 2 E-W DRAINS; 20 FT WIDE, LINED WITH COTTONWOODS, WILLOWS, & LUSH ANNUAL VEGETATION. ADJACENT AG FIELDS CONSISTS OF RICE & OTHER GRAINS (N & W) & SMALL GRAZED GRASSLAND TO THE SOUTH.
Thamnophis gigas	giant gartersnake	SMALL (10 FT WIDE), SLOW-MOVING CR CONTAINING LUSH VEG OF WILLOW, COTTONWOOD, TULE, & CATTAIL. CR OVERFLOW PRODUCED WIDE, MARSHY AREA EAST OF CR. AG (RICE) SURROUNDS THIS LOW-LYING WASATE AREA.
Thamnophis gigas	giant gartersnake	20 FT WIDE IRRIGATION CANAL, W/ELEVATED BERMS ON EACH SIDE; RECENTLY CLEANED & DEVOID OF VEG. BANKS SUPPORT ANNUAL GRASSES, THISTLES, TULES, CATTAILS, & A FEW WILLOWS.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	1986: DRAINAGE CANAL PARALLELING S SIDE OF BAYOU WAY; 20 FT WIDE W/STRAIGHT VERTICAL BANKS; RECENTLY CLEANED, THUS LITTLE ESTABLISHED VEG (ANNUAL GRASSES DOMINATE). ADJACENT RICE FIELDS. 2008: AERIAL PHOTO SHOWS RESIDENTIAL DEVELOPMENT.
Thamnophis gigas	giant gartersnake	IRRIGATION CANAL, 10-20 FT WIDE, ONE FT DEEP W/SLOW-MOVING WATER. TULE/CATTAIL INTERSPERSED W/STANDS OF MUSTARD, MILK THISTLE, BLACKBERRY, & LOW GRASSES ON BANKS, BERMS, & DRAINAGE DITCHES. AG (CURRENTLY RICE) TO W FAVORS THIS SNAKE.
Thamnophis gigas	giant gartersnake	AG CANAL 3-4 M WIDE, W/TULE/MUSTARD MARGINS & SLOW-MOVING WATER. SHOULDER MAINTENANCE ALONG HOWSLEY RD HAS CREATED OPEN, GRASSY BANKS SUITABLE FOR BASKING. NEARBY LEVEE SYSTEMS (CROSS CANAL, PLEASANT CR CANAL) PROTECT FROM FLOODING.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	2009 AERAIL PHOTOS SHOW THAT THIS AREA HAS BEEN DEVELOPED.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	1986: SMALL (10-15 FT WIDE) E-W DITCH WITH THICKETS OF WILLOW, COTTONWOOD, BLACKBERRY & TULE/CATTAIL MARGINS. LARGER (30 FT WIDE) EAST DRAINAGE CANAL HAS 4 FT STEEP VERT LEVEES WHICH HAVE BEEN CLEARED OF VEG EXCEPT RIGHT AT WATER EDGE.
Thamnophis gigas	giant gartersnake	1986: 30 FT WIDE SLOW-MOVING E DRAINAGE CANAL W/STEEP BANKS & CATTAIL/TULE AT WATER EDGE; BLACKBERRIES, MILK THISTLE, MUSTARD, STAR THISTLE ON BANKS. SMALLER DITCH IS SIMILAR W/A FEW COTTONWOODS & WILLOWS WHICH SURVIVED CLEARING 2 YRS AGO.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF AN IRRIGATION CANAL, WITH STEEP BANKS (GREATER THAN 1:1), MODERATELY VEGETATED WITH GRASS AND RUDERALS WITH INTERMITTENT PATCHES OF BULRUSH AND CATTAILS. SURROUNDING AREA WAS RICE FIELDS.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF A RICE FIELD AND WETLAND/MARSH CHARACTERIZED BY A DEEP CENTRAL CHANNEL; WETLAND AREA BOUNDED BY SCIRPUS, TYPHA, AND LUDWIGEA, AND BANKSIDES DOMINATED BY RUDERALS AND RUBUS.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF A BROAD (~20 M) DRAINAGE CANAL W/ VERTICAL (3-4') BANKS. VEG: WATER PRIMROSE, BLACKBERRY, BULRUHS, CATTAILS, TULES & WILLOWS. HABITAT IS A STABLE COMPONENT OF A REGIONAL RECLAMATION SYSTEM. SURR. AREA IS USED FOR AG.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF A DRAINAGE CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE W/ STEEP SLOPED BANKS MODERATELY-DENSELY VEGETATED W/ GRASSES, RUDERALS & INTERMITTENT PATCHES OF HIMALAYAN BLACKBERRY, BULRUSH, CATTAILS, WATER PRIMROSE & SMARTWEED.
Thamnophis gigas	giant gartersnake	DRAINAGE CANAL.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	IRRIGATION CANALS SURROUNDED BY RICE FIELDS, WITH RESIDENTIAL TO WEST. CANALS HAVE STEEP, MODERATELY TO DENSELY VEGETATED BANKS (GRASSES DOMINANT). AQUATIC VEGETATION IS MODERATE (CATTAILS).
Thamnophis gigas	giant gartersnake	HIGHLINE IRRIGATION CANAL W/ DENSELY VEGETATED BANKS (GRASSES & RUDERALS) AND DENSE CATTAILS AT WATER MARGIN (2006). LEVEE BANKS SUPPORT LUSH STANDS OF MILK THISTLE, MUSTARD, BLACKBERRY. CANAL LINED WITH TULE & CATTAIL (1986). AG SURROUNDS.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF A DRAINAGE DITCH (8 FT WIDE, 6 FT DEEP, 2 FT BANK) VEGETATED WITH GRASSES AND RUDERALS WITH PATCHESS OF YELLOW WATER PRIMROSE, BLACKBERRY, CATTAIL, AND BULRUSH. SURROUNDING LAND CONSISTS OF RICE FIELDS. WATER SEASONAL.
Thamnophis gigas	giant gartersnake	1986: E-W CANAL WITH STEEP CUT BANKS LINED WITH TULE & CATTAIL. PARALLELS N SIDE OF ABANDONED ROADWAY N OF ELKHORN BLVD. SMALLER DITCH BETWEEN 2 PAVED RDS SUPPORTS THICK STAND OF TULE/CATTAIL. GOOD HABITAT ALL YEAR.
Thamnophis gigas	giant gartersnake	AGRICULTURAL DRAINAGE CHARACTERIZED BY MUD/SILT SUBSTRATE WITH MODERATELY VEGETATED BANKS DOMINATED BY RUDERALS AND SPARSE TO MODERATE AQUATIC VEGETATION; CATTAIL, BULRUSH, AND WATER PRIMROSE. BANKSIDE SLOPE WAS GREATER THAN 3:1.
Thamnophis gigas	giant gartersnake	IRRIGATION DITCH CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP BANKS MODERATELY TO DENSELY VEGETATED W/ GRASSES AND RUDERALS. DITCH PROPER INTERMITTANTLY VEGETATED W/ DENSE STANDS OF CATTAIL AND SMARTWEED. SURROUNDING AREA IS RICE FIELDS.
Thamnophis gigas	giant gartersnake	SMALL DRAINAGE DITCHES BORDERING POWERLINE RD, STANDS OF CATTAIL IN DITCH, GRASSES & LOW PERENNIALS (BUCHWHEAT & BLACKBERRIES) ALONG DITCH BANKS. LITTLE OPEN WATER. AGRICULTURAL ACTIVITY IN ADJACENT FIELDS WAS RICE.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF AN AGRICULTURAL DITCH WITH STEEP TO VERTICAL BANKS. BULRUSH, CATTAILS, & RUDERALS EMERGING AT MARGINS, WITH SALIX PROVIDING INTERMITTENT OVERSTORY. DRAINAGE CANAL WITH RICE FIELD TO THE EAST AND DENSE UPLAND TO THE WEST.
Thamnophis gigas	giant gartersnake	DRAINAGE CANAL.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF AN IRRIGATION CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP SLOPED BANKS DENSELY VEGETATED WITH GRASSES AND RUDERALS; SPARSE EMERGENT AQUATIC VEGETATION (WATER PRIMROSE). CANAL SURROUNDED BY RICE FIELDS.
Thamnophis gigas	giant gartersnake	SEVERAL DRAINAGE AND IRRIGATION CANALS AND DITCHES; 3 RUNNING EAST-WEST, 1 LARGER RUNNING NORTH-SOUTH. LARGER DITCH WAS LINED WITH CATTAIL, TULE, WILLOW, COTTONWOOD, AND BLACKBERRY. MIDDLE DITCH WAS SMALLER AND SLIGHTLY LESS VEGETATED.
Thamnophis gigas	giant gartersnake	IRRIGATION CANAL SURROUNDED BY FALLOW FIELDS AND VACANT WEEDY FIELDS. CANAL HAS VEGETATED BANKS (RUDERALS DOMINANT). BANKSIDE SLOPES >3:1.
Thamnophis gigas	giant gartersnake	IRRIGATION CANAL SURROUNDED BY DRY/DISKED AND FLOODED RICE FIELDS. CANAL HAS DENSELY VEGETATED BANKS (RUDERALS DOMINANT). AQUATIC EMERGENT VEGETATION IS DENSE (CATTAILS, TULES, & WATER PRIMROSE). SLOPES >3:1.
Thamnophis gigas	giant gartersnake	SUBSTRATE NEAR TRAPS WAS MOSTLY OPEN WATER AND BARE GROUND; VEGETATION DOMINATED BY WEEDY DICOTS, GRASSES, AND OTHER MISCELLANEOUS WETLAND VEGETATION. PREY DENSITY WAS MODERATE TO HIGH. N FEATURE SITE NAME: CENTRAL MAIN CANAL-MID SECTION.
Thamnophis gigas	giant gartersnake	IRRIGATION CANAL WITH DENSELY VEGETATED BANKS (GRASSES AND RUDERALS DOMINANT). AQUATIC VEGETATION IS SPARSE. SLOPES >3:1. FALLOW FIELDS TO N & S (2005). DRAINAGE CANAL WITH HAY FIELDS TO THE NORTH AND SAFFLOWER FIELDS TO THE SOUTH (2009).
Thamnophis gigas	giant gartersnake	SMALL ROADSIDE DRAINAGE DITCH PARALLELING N EDGE OF ROAD. IN 1986, STEEP BANKS WITH GRASSES & CATTAIL/TULE AT WATER MARGIN. NORTH BANK IS AN ELEVATED BERM WITH SOME WILLOW & BLACKBERRY. 2009 AERIAL PHOTOS SHOW AREA IS COMPLETELY DEVELOPED.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF DRAINAGE CANAL (STEEP SIDES = 10 FEET) AND IRRIGATION DITCH (SIDES = 1 FOOT) WITH LITTLE OR NO AQUATIC EMERGENT OR TERESTRIAL VEGETATION. HABITAT IS FAIR TO POOR. SURROUNDING LAND CONSISTS OF RICE FIELDS.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF A DRAINAGE DITCH CHARACTERIZED BY BULRUSH & CATTAIL, LESS THAN 30% EMERGENT AQUATIC VEGETATION. SURROUNDING AREA IS RICE.
Thamnophis gigas	giant gartersnake	BROAD DRAINAGE DITCH WITH SHALLOW SIDES AND LESS THAN 20% EMERGENT AQUATIC VEGETATION. SURROUNDING AREA IS PLANTED IN RICE.
Thamnophis gigas	giant gartersnake	HABITAT DESCRIBED AS PAVED/GRAVEL ROAD WITH MODERATE VEHICULAR TRAFFIC. ADJACENT TO AGRICULTURAL FIELDS (RICE) AND RESTORED WETLAND HABITAT APPROXIMATELY 0.5 MILE TO THE WEST.
Thamnophis gigas	giant gartersnake	SUBSTRATE NEAR TRAPS WAS MOSTLY OPEN WATER AND BARE GROUND; VEGETATION DOMINATED BY WEEDY DICOTS, GRASSES, AND OTHER MISCELLANEOUS WETLAND VEGETATION. PREY DENSITY WAS MODERATE TO HIGH.
Thamnophis gigas	giant gartersnake	IRRIGATION CANAL WITH RICE TO THE NORTH, EAST, SOUTH, AND WEST.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF AN IRRIGATION CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP SLOPED BANKS DENSELY VEGETATED WITH GRASSES AND RUDERALS. CHANNEL MARGINS DENSELY VEGETATED WITH WATER PRIMROSE.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTS OF A DRAINAGE CANAL BETWEEN INACTIVE RICE FIELDS.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF AN IRRIGATION CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP SLOPED BANKS DENSELY VEGETATED WITH GRASSES AND RUDERALS. CHANNEL MARGINS MODERATELY VEGETATED WITH SEDGES.
Thamnophis gigas	giant gartersnake	1986: IRRIGATION CANAL, 30' WIDE, 3' DEEP, SLOW MOVING WATER; BERMS ON EACH SIDE CLEANED OF VEGETATION, NOW SUPPORTS THIN MARGIN OF GRASSES & CATTAILS. 2017: PAVED ROAD W/ GRAVEL SHOULDER ADJACENT TO IRRIGATION CANALS, IN RICE FIELDS.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	SURROUNDING HABITAT CONSISTS OF RICE FIELDS TO THE SOUTH, PLOWED AGRICULTURAL FIELDS TO THE NORTH, AND RUDERAL VEGETATION ALONG THE ROADWAY.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	SURROUNDING AREA IS RICE FIELDS.
Thamnophis gigas	giant gartersnake	DIRT FARM ROAD BETWEEN 2 CULTIVATED RICE FIELDS; ROAD MARGINS DENSELY VEGETATED WITH GRASSES AND RUDERALS. SURROUNDING LAND CONSISTS OF RICE FIELDS/AGRICULTURE.
Thamnophis gigas	giant gartersnake	SUBSTRATE WAS A MIX OF OPEN WATER & BARE GROUND. VEG MOSTLY DICOTS W/ GRASSES & MISCELLANEOUS WETLAND VEG. PREY DENSITY WAS RELATIVELY LOW, W/ SOME FISH PRESENT. ADJACENT FIELD CONDITIONS RANGED FROM DRY NON-RICE CROPS TO FLOODED RICE.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF A FRESHWATER SLOUGH (~10 M WIDE), WITH A 1:1 SLOPE. CHANNEL CHARACTERIZED BY SCIRPUS, TYPHA, AND DENSE LUDWIGEA; BANKS CHARACTERIZED BY DENSE RUDERAL VEGETATION. ABUNDANT BANKSIDE AND UPLAND REFUGIA AVAILABLE.
Thamnophis gigas	giant gartersnake	PAVED ROAD SURFACE WITH STEELHEAD CREEK TO THE EAST AND RICE FIELDS TO THE WEST.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF AN IRRIGATION/DRAINAGE CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP SLOPED BANKS DENSELY VEGETATED WITH GRASSES AND RUDERALS. CHANNEL DENSELY VEGETATED WITH WATER PRIMROSE. RICE FIELDS SURROUND IRRIGATION.
Thamnophis gigas	giant gartersnake	HABITAT CONSISTED OF AN IRRIGATION CANAL CHARACTERIZED BY MUD/SILT SUBSTRATE WITH STEEP BANKS. BANKS MODERATELY VEGETATED WITH GRASSES AND RUDERALS; SPARSE EMERGENT AQUATIC VEGETATION. IRRIGATION CANAL SURROUNDED BY RICE FIELDS.
Thamnophis gigas	giant gartersnake	
Thamnophis gigas	giant gartersnake	DRY DRAINAGE DITCH WITH RICE FIELDS TO THE NORTH AND FALLOW, WEEDY FIELDS TO THE SOUTH. BANKSIDES DENSELY VEGETATED (RUDERALS DOMINANT). SLOPES <3:1.
Thamnophis gigas	giant gartersnake	DRAINAGE CANALS.
Thamnophis gigas	giant gartersnake	HABITAT IS AN AGRICULTURAL CANAL CONTAINING SMALL STRANDS OF STREAMSIDE GRASSES, TULES, CATTAILS, MUSTARD, ETC. VEGETATING THE BANKS. SURROUNDING AREA IS RICE/WHEAT AGRICULTURE.
Thamnophis gigas	giant gartersnake	HABITAT IS AN AGRICULTURAL CANAL WITH SMALL STRANDS OF STREAMSIDE GRASSES, TULES, CATTAILS, MUSTARD, ETC. VEGETATING THE BANKS. SURROUNDING LAND USE IS RICE/WHEAT AGRICULTURE.
Thamnophis gigas	giant gartersnake	1990: HABITAT ALONG CANAL BANKS IS SPARSE EMERGENT MONOCOTS; LEVEES ARE NON-NATIVE GRASSLAND. SURROUNDING LAND USE IS AG; RICE, SAFFLOWER, & SUGAR BEETS GROWING AT TIME OF THIS OBSERVATION. 2009 AERIAL PHOTOS SHOW THIS AREA DEVELOPED.
Ammodramus savannarum	grasshopper sparrow	HABITAT CONSISTS OF ROLLING VERNAL POOL GRASSLAND.

CNDDB 10 Miles
December 2021

SNAME	CNAME	ECOLOGICAL
Ardea herodias	great blue heron	HABITAT CONSISTS OF A NARROW VALLEY OAK RIPARIAN CORRIDOR ALONG DRY CREEK. BOTH GREAT EGRETS AND GREAT BLUE HERONS NEST HERE.
Ardea herodias	great blue heron	NEST TREE IS AN ISOLATED VALLEY OAK, WITH GRASSLAND TO THE NORTH AND LEVEE / RESIDENTIAL TO THE SOUTH.
Ardea herodias	great blue heron	NEST TREE IS AN ISOLATED VALLEY OAK AND SNAG, SURROUNDED BY A MANAGED FLOODPLAIN WITH CATTLE GRAZING; LIGHT INDUSTRIAL TO THE SOUTH AND NEMDC TO THE WEST.
Ardea alba	great egret	HABITAT IS A DENSE WILLOW RIPARIAN STRIP, APPROXIMATELY 20-30 M WIDE, WITH A FEW COTTONWOOD TREES. SURROUNDING HABITAT CONSISTS OF RICE FIELDS AND DRY CROP AGRICULTURE.
Ardea alba	great egret	HABITAT CONSISTS OF A NARROW VALLEY OAK RIPARIAN CORRIDOR ALONG DRY CREEK. BOTH GREAT EGRETS AND GREAT BLUE HERONS NEST HERE.
Ardea alba	great egret	NEST TREE IS AN ISOLATED VALLEY OAK, WITH GRASSLAND TO THE NORTH AND LEVEE/RESIDENTIAL TO THE SOUTH.
Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	SPECIES WHICH MAY OCCUR HERE INCLUDE POPULUS FREMONTII, SALIX LASIANDRA, SALIX GOODDINGII VAR. VARIABILIS, PLATANUS RACEMOSA AND ACER NEGUNDO. SHADE TOLERANT SHRUBS AND EXTENSIVE LIANA DEVELOPMENT IN THE UNDERSTORY.
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	SPRING FED ALKALI MEADOW WITH DISTICHLIS SPICATA, SCIRPUS OLNEYI, FRANKENIA GRANDIFOLIA VAR. CAMPESTRIS, CRESSA TRUXILLENSIS, MONERMA CYLINDRICA, AND LIPPIA NODIFLORA. AREA SURROUNDED BY ALAMO VARIANT CLAY, BUT SOIL AT SITE IS UNCLASSIFIED.
Legenere limosa	legenere	VERNAL POOL AREA IN FLOODPLAIN OF INTERMITTENT STREAM. ASSOCIATED WITH RANUNCULUS BONARIENSIS TRISEPALUS.
Legenere limosa	legenere	VERNAL POOL AREA ON FLOODPLAIN OF INTERMITTENT STREAM.
Legenere limosa	legenere	SCATTERED MARGINS OF LARGE VERNAL POOL WITH PLAGIOBOTHRYS UNDULATUS, P. STIPITATUS, LASTHENIA FREMONTII, L. GLABERRIMA, DOWNINGIA BICORNUTA, NAVARRETIA LEUCOCEPHALA, AND CALLITRICHE MARGINATA.
Legenere limosa	legenere	SEASONAL WETLAND DOMINATED BY RANUNCULUS BONARIENSIS TRISEPALUS, PLAGIOBOTHRYS BRACTEATUS, LASTHENIA GLABERRIMA, AND ELEOCHARIS MACROSTACHYA. FRITILLARIA AGRESTIS IS FOUND IN NEARBY GRASSLAND.
Legenere limosa	legenere	ARTIFICIAL POND EXCAVATED WITHIN A VERNAL POOL LANDSCAPE. ASSOCIATED WITH ELEOCHARIS MACROSTACHYA AND LASTHENIA GLABERRIMA IN ADDITION TO MANY WEEDY SPECIES. LARGELY OPEN GROUND.
Legenere limosa	legenere	OPEN GRASSLAND WITH VERNAL POOLS. LARGE VERNAL POOLS ON SOILS MAPPED AS SAN JOAQUIN SANDY LOAM SOILS. ASSOCIATED WITH ELEOCHARIS MACROSTACHYA, LASTHENIA GLABERRIMA, DOWNINGIA ORNATISSIMA, PLAGIOBOTHRYS, DESCHAMPSIA DANTHONIOIDES, ETC.
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	VERNAL POOL COMPLEX W/SEASONAL & PERENNIAL FRESHWATER MARSH. ANNUAL GRASSLAND SURROUNDS. POOL TAXA INCL ERYNGIUM, DOWNINGIA, PLAGIOBOTHRYS, JUNCUS. ON CLAY SUBSTRATE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	DIVERSE POOL FLORA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	ON SAN JOAQUIN ASSOC SOILS. NO RARE OR ENDANGERED PLANTS WERE FOUND DURING THE 1987 FIELD SURVEYS, HOWEVER, OVER 100 DIFFERENT SPECIES WERE FOUND AND ARE LISTED IN WYM87R02. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	4 AREAS; 14 ACRES HIGH QUALITY POOLS ON HIGH TERRACE HARDPAN, ZONED AG; 50 AC HIGH QUALITY LOW TERRACE HARDPAN POOLS, ZONED RESID; 22 AC MED QUALITY VOLCANIC MUDFLOW POOLS, ZONED AG; 14 AC LOW QUALITY LOW TERRACE HARDPAN POOLS ZONED RESID.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	POOLS ON LOW TERRACE HARDPAN SUBSTRATE. HIGH QUALITY POOLS W/ VARIETY OF POOL TAXA PRESENT, 1982. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	ON SAN JOAQUIN ASSOC SOILS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CUSCUTA HOWELLIANA REPORTED HERE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	LOW TERRACE HARDPAN SUBSTRATE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	DIVERSITY OF POOL TAXA PRESENT INCLUDES DICHELOSTEMMA LACUNA-VERNALIS. MOST OF THIS LARGE AREA IS ON VOLCANIC SUBSTRATE. <50 ACRES IN THE NW PORTION OF THE BOUNDED AREA IS LOW TERRACE FORMATION W/HARDPAN VERNAL POOLS.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	LARGE AREA OF POOLS ON MEHRTEN FORMATION, EXCHEQUER VERY STONY LOAM. SPP INCL GRATIOLA HETEROSEPALA. PORTION SEEN IN 1987 EXCELLENT EXAMPLE OF VOLCANIC MUDFLOW POOLS. UNABLE TO CONVERT FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	POOLS ON VOLCANIC SUBSTRATE. MANY POOL TAXA PRESENT INCL DICHELOSTEMMA LACUNA-VERNALIS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	ON VOLCANIC SUBSTRATE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	ON VOLCANIC SUBSTRATE. DICHLOSTEMMA LACUNA-VERNALIS PRESENT. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Antrozous pallidus	pallid bat	DAY ROOST IN SMALL VERTICAL CREVICES IN CONCRETE DECK OF LOW CONCRETE BRIDGE OVER RIPARIAN HABITAT. LAND USE AGRICULTURAL, GRAZING. BRIDGE SLATED TO BE REPLACED; BATS TO BE HUMANELY EVICTED & ROOST STRUCTURES INSTALLED IN NEW STRUCTURE.
Navarretia myersii ssp. myersii	pincushion navarretia	RAIN POOL IN VALLEY GRASSLAND.
Progne subis	purple martin	
Progne subis	purple martin	HABITAT SURROUNDING FREEWAYS CONSISTS OF NON-NATIVE GRASSLAND AND OAK WOODLAND.
Progne subis	purple martin	NEW BREEDING LOCATION IN 2003; HIGH NUMBER OF SECOND YEAR MALES OBSERVED, WHICH IS CONSISTENT WITH TYPICAL PIONEERING BEHAVIOR OF SECOND YEAR BIRDS.
Progne subis	purple martin	BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	MARGINS OF VERNAL POOLS, LARGELY ON KILAGA LOAM SOILS.
Hydrochara rickseckeri	Ricksecker's water scavenger beetle	
Pogonichthys macrolepidotus	Sacramento splittail	MODERATE CURRENT & SANDY BOTTOM. RIVERBANKS VARIABLE, WATER TEMP AVERAGES LOW 60'S F. MOST FISH TAKEN FROM THE END OF DECEMBER TO THE END OF MAY.
Sagittaria sanfordii	Sanford's arrowhead	SLOW MOVING STREAM WITH VERONICA CATENATA, ALISMA LANCEOLATA, POLYPOGON INTERRUPTUS, SAGITTARIA SP.
Sagittaria sanfordii	Sanford's arrowhead	DRAINAGE CHANNEL WITH SLOW-MOVING WATER. ASSOCIATED WITH ECHINOCHLOA CRUS-GALLI, POLYGONUM LAPATHIFOLIUM, PASPALUM DILATATUM, CYPERUS ERAGROSTIS, AND SORGHUM HALAPENSE.
Sagittaria sanfordii	Sanford's arrowhead	NW POLYGON: SHALLOW EDGES OF CREEK, ASSOCIATED WITH LUDWIGIA SP., SCIRPUS SP., AND TYPHA SP. SE POLYGON: WITHIN A SHALLOW DITCH, NO OTHER PLANTS OBSERVED IN DITCH.
Sagittaria sanfordii	Sanford's arrowhead	UNLINED +/- NATURAL CHANNEL WITH SALIX AND TYPHA. SAGITTARIA DOMINATES MUCH OF THIS SHORT WATERCOURSE.
Sagittaria sanfordii	Sanford's arrowhead	FRESHWATER MARSH WITH TYPHA.
Sagittaria sanfordii	Sanford's arrowhead	LARGE VERNAL POOL THAT IS DAMMED AT THE WEST FENCE LINE BY A BERM LOCATED ON THE ADJACENT PROPERTY. DOMINANT PLANTS IN THIS POOL INCLUDE ELEOCHARIS MACROSTACHYA, LOLIUM MULTIFLORUM, & RANUNCULUS BONARIENSIS VAR. TRISEPALUS.
Egretta thula	snowy egret	HABITAT IS A DENSE WILLOW RIPARIAN STRIP, APPROXIMATELY 20-30 M WIDE, WITH A FEW TALL COTTONWOOD TREES. SURROUNDING HABITAT CONSISTS OF RICE FIELDS AND DRY CROP AGRICULTURE.
Melospiza melodia	song sparrow ("Modesto" population)	NEST "MADE OF DECAYED GRASSES, BITS OF TULE AND DEAD LEAVES. LINING OF FINER STUFF OF THE SAME."
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	MIGRATION CORRIDOR FROM UPPER SAC & TRIBS TO DELTA. YIELDS AVERAGE 3% OF YEARLY SAC R ANGLING CATCH. FLOOD FLOWS DIVERTED INTO SUTTER & YOLO BYPASSES (OCC 30, 31) PROVIDE REARING HABITAT BUT STRAYING ADULTS MAY BE STRANDED AS FLOWS SUBSIDE.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	FRH STOCK PART OF DPS THOUGH '08 STUDY FOUND INTROGRESSION W/EEL RIVER STRAIN. MOST NATURAL SPAWNING AT TOP OF LFC IN COOLEST, MOST STABLE FLOWS; YOY DISPERSE D/S TO REAR IN WARMER WATER BUT LIMITED HABITAT OF LOWER LFC. STRANDING UNCOMMON.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	MAINSTEM DRY CREEK (DC) USED AS MIGRATORY CORRIDOR, BUT WATER QUALITY & SUBSTRATE TOO DEGRADED TO SUPPORT SPAWNING. SPAWNING & REARING HABITAT UPSTREAM, IN SECRET (SR) & MINERS (MR) RAVINES.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	SEASONAL, LOW-ELEV CK NOW YR-ROUND FROM TRANSFERS & NUISANCE FLOWS. SH POORLY DOCUMENTED. LIKELY SPAWNING & REARING AREA; SMALL FRY OBSERVED IN SPRING, JUVENILES YR-ROUND. 1/2-POUNDERS REPORTED. STOCKED W/OUT-OF-BASIN RAINBOW TROUT 1948-59.
Fritillaria agrestis	stinkbells	IN DISKED FIELD ON UPLANDS IN NONNATIVE ANNUAL GRASSLAND, VERNAL POOLS ON SITE; HARDPAN IS ABOUT 12-18 INCHES BELOW SOIL SURFACE EVEN IN HIGHER TOPOGRAPHY.
Fritillaria agrestis	stinkbells	IN VACANT LOT IN BROMUS DOMINATED NONNATIVE GRASSLAND.
Fritillaria agrestis	stinkbells	AT TOP OF CUT SLOPE IN PASTURE.
Fritillaria agrestis	stinkbells	UNPLOWED ROLLING GRASSLAND WITH ERODIUM, ANNUAL GRASSES, ETC.
Buteo swainsoni	Swainson's hawk	NEST TREES WERE PRIMARILY COTTONWOODS, ALSO OAK, SYCAMORE AND WILLOW WITHIN THE DENSE, NARROW RIPARIAN BUFFER; SURROUNDING FORAGING HABITAT CONSISTED OF AGRICULTURE (WHEAT, WALNUTS, ALFALFA, RICE, AND OPEN FIELDS).
Buteo swainsoni	Swainson's hawk	NESTS WERE IN COTTONWOODS WITHIN A DENSE RIPARIAN STRIP; SURROUNDING FORAGING HABITAT CONSISTED OF AGRICULTURE (TOMATOES, WHEAT, RICE, WALNUTS, ROW CROPS IN 1991).
Buteo swainsoni	Swainson's hawk	2001: SUSPECTED NEST IN LARGE VALLEY OAKS SUROUNDED BY FALLOW LAND, GRASSLAND, AND RIPARIAN, WITH RESIDENTIAL TO THE SE. 2003: NEST IN 45' VALLEY OAK WITH GRASSLAND TO THE SOUTH AND CROPLAND TO THE NORTH.
Buteo swainsoni	Swainson's hawk	1988 NEST TREE WAS A VALLEY OAK IN AN OAK GROVE; SURROUNDING FORAGING HABITAT WAS AGRICULTURE, MOSTLY ALFALFA. 2004 NEST IN 70' VALLEY OAK SURROUNDED BY CROPLAND. 2010 NEST IN LARGE ROADSIDE OAK TREE, SURROUNDED BY ORCHARDS & ALFALFA.
Buteo swainsoni	Swainson's hawk	SW SITE: NESTS IN TALL COTTONWOODS IN NARROW RIPARIAN STRIP; SURROUNDING FORAGING HABITAT CONSISTED OF AGRICULTURE (WALNUTS, CORN, WHEAT) AND FALLOW FIELDS IN 1991. NE SITE: NEST IN 50' COTTONWOOD WITH CROPLAND TO EAST, RIPARIAN TO WEST.
Buteo swainsoni	Swainson's hawk	1984, 1986, 1991 NESTS IN COTTONWOOD. 2007 NEST IN RIPARIAN WILLOW SURROUNDED BY IRRIGATED CROPLAND.
Buteo swainsoni	Swainson's hawk	NEST IN EUCALYPTUS TREES ON MITIGATION BANK PROPERTY, ADJACENT TO RESTORED VERNAL POOL ANNUAL GRASSLAND.
Buteo swainsoni	Swainson's hawk	1993 NEST COULD BE SEEN ONLY FROM THE RIVER. SURROUNDING HABITAT WAS RIPARIAN AND AGRICULTURAL.
Buteo swainsoni	Swainson's hawk	1992: NEST IN EUCALYPTUS. 2004: NESTS IN WILLOWS, WITH RIPARIAN HABITAT TO W & ROW CROPS TO E. 2010: N NEST IN LARGE EUCALYPTUS IN GROVE CONTAINING AN APIARY, S NEST TREE IN DRAINAGE TO CROSS CANAL. SURROUNDED BY NON-NATIVE GRASSLAND.
Buteo swainsoni	Swainson's hawk	2004 NEST TREE WAS A COTTONWOOD; WITH ROW CROPS TO THE N AND RIPARIAN HABITAT TO THE S. 2010 NEST TREES WITHIN THE CROSS CANAL RIPARIAN STRIP, SURROUNDED BY AGRICULTURE (MOSTLY ALFALFA).
Buteo swainsoni	Swainson's hawk	2004: WESTMOST NEST TREE WAS A WILLOW; EASTMOST NEST TREE WAS A VALLEY OAK; SURROUNDED HABITAT WAS ROW CROPS. 2010: NEST TREE ALONG HWY 99 FRONTAGE ROAD, SURROUNDED BY CROPS (MOSTLY ALFALFA).
Buteo swainsoni	Swainson's hawk	2001 NEST TREE WAS A VALLEY OAK; SURROUNDED BY AGRICULTURAL CROPS, ORCHARD/VINEYARD TO THE SW, AND RESIDENTIAL TO THE NW, 2004 NEST IN 70' VALLEY OAK SURROUNDED BY CROPS AND ORCHARDS.
Buteo swainsoni	Swainson's hawk	2006 NEST IN 30' WILLOW IN RIPARIAN WOODLAND CONSISTING OF WILLOWS, SEASONAL DRAINAGE DITCH (SUPPORTING CATTAILS, BULRUSH, GRASSES, SEDGES) & RUDERAL GRASSLAND; PARCEL POSSIBLY OWNED BY CALTRANS. 2011 NEST IN WILLOW SURROUNDED BY GRASSLAND.
Buteo swainsoni	Swainson's hawk	2004 NEST TREE WAS A VALLEY OAK; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS. 2010 NESTS IN OAK TREES, SURROUNDED BY ALFALFA.
Buteo swainsoni	Swainson's hawk	2004 NEST TREE WAS A EUCALYPTUS IN SE 1/4 SEC 32; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS. 2010 NEST IN VERY LARGE EUCALYPTUS BEHIND RURAL HOME IN NE 1/4 SEC 5. SURROUNDED BY AGRICULTURE, PREDOMINANTLY ALFALFA.
Buteo swainsoni	Swainson's hawk	2004 NEST IN 65' WALNUT SURROUNDED BY CROPLAND. 2010 NEST IN FARMYARD OAK TREE ADJACENT TO BARN AND FARMHOUSE, SURROUNDED BY CROPLAND, MOSTLY ALFALFA.
Buteo swainsoni	Swainson's hawk	NEST TREE AT SW CORNER OF GROVE OF EUCALYPTUS TREES EAST OF STORMWATER DETENTION BASINS. SURROUNDING HABITAT WAS GRAZING PASTURE WITH NON-NATIVE FORBS AND GRASSES. NEST ADJACENT TO LIMITED-USE ACCESS ROAD.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A COTTONWOOD. HABITAT CONSISTED OF COTTONWOOD RIPARIAN FOREST, ADJACENT TO A DRAINAGE CANAL, SURROUNDED BY AGRICULTURAL FIELDS. THIS SITE ALSO SUPPORTED GIANT GARTER SNAKE.
Buteo swainsoni	Swainson's hawk	NEST TREE IS A LARGE WILLOW; SURROUNDED BY AGRICULTURE, PRIMARILY RICE FARMING.
Buteo swainsoni	Swainson's hawk	NEST TREE IS A WILLOW, WITH THE NEST ABOUT 30-FEET HIGH.
Buteo swainsoni	Swainson's hawk	NEST TREE IS A COTTONWOOD, LOCATED WITHIN AN AGRICULTURAL WINDBREAK OF COTTONWOODS AND SNAGS.
Buteo swainsoni	Swainson's hawk	NEST IN 50' VALLEY OAK WITH GRASSLAND TO THE EAST AND CROPS TO THE WEST. SURVEYOR NOTED MOBBING OF ADULT SWAINSON'S HAWK BY SMALLER BIRD.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A COTTONWOOD; SURROUNDED BY RIPARIAN TO THE NE AND SW, AND ROW CROPS TO THE NW AND SE.
Buteo swainsoni	Swainson's hawk	2009 NEST IN WILLOWS, ABOUT 30' UP. PAIR RETURNED TO SAME NEST IN SUBSEQUENT YEARS. SURROUNDED BY GRAZING LAND, SEVERAL VERNAL POOLS NEARBY.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A WILLOW; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS.
Buteo swainsoni	Swainson's hawk	NEST IN 25' VALLEY OAK IN RIPARIAN STRIP, SURROUNDED BY FALLOW LAND, PLOWED LAND, AND PASTURE.
Buteo swainsoni	Swainson's hawk	NEST IN VALLEY OAK OVERHANGING WISE ROAD. SURROUNDING HABITAT IS GRAZING LAND DOMINATED BY NON-NATIVE ANNUAL GRASSES, WITH SCATTERED VALLEY OAKS. RIPARIAN CORRIDOR OF COON CREEK TO NORTH USED FOR FORAGING.
Buteo swainsoni	Swainson's hawk	NEST IN 55' BLUE OAK IN RIPARIAN STRIP WITH AN OPEN FIELD DIRECTLY NE, SURROUNDED BY RESIDENTIAL DEVELOPMENT.
Buteo swainsoni	Swainson's hawk	NEST IN LARGE WILLOW TREE ALONG SLOUGH, LARGEST IN VICINITY. WITHIN RIPARIAN HABITAT DOMINATED BY TYPHA, WITH RICE FIELDS TO THE NORTH AND FALLOW LAND TO THE SOUTH.
Buteo swainsoni	Swainson's hawk	NEST IN 20' WILLOW WITH CROPLAND TO THE NORTH AND PASTURE AND FALLOW LAND TO THE SOUTH.
Buteo swainsoni	Swainson's hawk	NEST IN 80' EUCALYPTUS SURROUNDED WITH CROPLAND AND SOME PASTURE TO THE SOUTHWEST.
Buteo swainsoni	Swainson's hawk	NEST TREE IN SPARSELY-TREED YARD OF RURAL HOMESTEAD; SURROUNDING HABITAT INCLUDED PASTURE DOMINATED BY NON-NATIVE GRASS, AND AGRICULTURAL LAND.
Buteo swainsoni	Swainson's hawk	2010 NEST TREE ON LAND WITHIN HIGHWAY INTERCHANGE; SURROUNDING LAND AGRICULTURAL, PRIMARILY ALFALFA FIELDS.
Buteo swainsoni	Swainson's hawk	NEST IN 50' COTTONWOOD WITH ORCHARDS TO SOUTH AND CROPLAND TO THE NORTH. AERIAL PHOTOS INDICATE THAT ORCHARDS TO SOUTH WERE REMOVED IN 2011.
Buteo swainsoni	Swainson's hawk	NEST WAS IN 60' ENGLISH WALNUT IN WALNUT ORCHARD, WITH CROPS TO THE WEST AND RESIDENCES TO THE SOUTHEAST.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A 50' EUCALYPTUS; SURROUNDED BY RESIDENTIAL TO THE NE AND NW, AND GRASSLAND TO THE SE AND SW.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A WILLOW; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A VALLEY OAK, WITH THE NEST LOW IN THE NEST TREE; SURROUNDED BY ROW CROPS TO THE NW AND SW, AND RIPARIAN TO THE NE AND SE.
Buteo swainsoni	Swainson's hawk	NEST TREE(S) IN A ROW OF EUCALYPTUS BORDERING A FARMSTEAD; SURROUNDED BY AGRICULTURE IN ALL DIRECTIONS, PREDOMINANTLY ROW CROPS IN 2004, ALFALFA IN 2010.
Buteo swainsoni	Swainson's hawk	NEST TREE IS A VALLEY OAK; SURROUNDED BY RESIDENTIAL TO THE SE AND GRASSLAND IN ALL OTHER DIRECTIONS.
Buteo swainsoni	Swainson's hawk	NEST IN LARGE PINE IN FRONT YEARD OF RURAL HOMESTEAD. SURROUNDING HABITAT INCLUDED RURAL RESIDENCES, PASTURES, AND AGRICULTURAL FIELDS.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A COTTONWOOD; SURROUNDED BY ORCHARDS TO THE SW AND NW AND ROW CROPS TO THE NE AND SE.
Buteo swainsoni	Swainson's hawk	NEST IN WALNUT AT EDGE OF AN ORCHARD, SURROUNDED BY CROPLAND. AT THE TIME OF THE DETECTION, CALTRANS WAS SURVEYING THE AREA FOR FREEWAY EXPANSION.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A VALLEY OAK; SURROUNDED BY ORCHARDS TO THE NE AND SE, AND ROW CROPS TO THE NW AND SW.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A VALLEY OAK; SURROUNDED BY COMMERCIAL/HIGHWAY TO THE NW, AND ROW CROPS TO THE NE, SE, AND SW.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A 40' EUCALYPTUS; SURROUNDED BY GRASSLAND (DRYLAND PASTURE) IN ALL DIRECTIONS.

CNDDB 10 Miles

December 2021

SNAME	CNAME	ECOLOGICAL
Buteo swainsoni	Swainson's hawk	2001 NEST IN 25' WILLOW SURROUNDED BY FALLOW/RUDERAL LAND; VERNAL POOLS SUSPECTED NEARBY. ANOTHER NEST SITE ACTIVE EARLY IN THE SEASON WAS OBSERVED ABOUT 524 M TO THE SE; THIS WAS PROBABLY A FAILED NEST ATTEMPT BY THE SAME PAIR.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A COTTONWOOD; SURROUNDED BY FALLOW/RUDERAL LAND IN ALL DIRECTIONS.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A VALLEY OAK; SURROUNDED BY PASTURE TO THE NE AND NW, AND RIPARIAN TO THE SE AND SW.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A WILLOW; SURROUNDED BY RIPARIAN TO THE NW AND ROW CROPS TO THE NE, SE, AND SW.
Buteo swainsoni	Swainson's hawk	HABITAT WAS A WOODLAND CORRIDOR ALONG KASEBERG CREEK. DEVELOPMENT BEGINNING IN THE MID-1990S CONTINUES TO REPLACE FORAGING & NESTING HABITAT. NEST SITE IS NOW WITHIN THE CITY OF ROSEVILLE PUBLIC GOLF COURSE, SURROUNDED BY DEVELOPMENT.
Buteo swainsoni	Swainson's hawk	HABITAT CONSISTS OF A NARROW VALLEY OAK RIPARIAN CORRIDOR ALONG DRY CREEK; SURROUNDED BY OPEN GRASSLAND, WITH THE NATOMAS EAST DRAINAGE CANAL AND RESIDENTIAL TO THE WEST.
Buteo swainsoni	Swainson's hawk	1992 NEST IN OAKS SURROUNDED BY PASTURE, WITHIN URBANIZED AREA. IN 2001-2002, HABITAT CONSISTED OF A NARROW VALLEY OAK RIPARIAN CORRIDOR ALONG DRY CREEK; SURROUNDED BY GRAZED GRASSLAND. POSSIBLE FUTURE SITE OF HANSEN PARK GOLF COURSE.
Buteo swainsoni	Swainson's hawk	HABITAT CONSISTS OF A NARROW VALLEY OAK RIPARIAN CORRIDOR ALONG DRY CREEK; SURROUNDED BY OPEN GRASSLAND AND NEARBY RESIDENTIAL.
Buteo swainsoni	Swainson's hawk	HABITAT CONSISTS OF A NARROW VALLEY OAK RIPARIAN CORRIDOR ALONG DRY CREEK; SURROUNDED BY OPEN GRASSLAND, RESIDENTIAL, AND AN AIRPORT.
Buteo swainsoni	Swainson's hawk	NEST TREE IS A VALLEY OAK; SURROUNDED BY A RIPARIAN CORRIDOR AND AGRICULTURE (ALFALFA).
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A BLUE OAK; SURROUNDING HABITAT CONSISTS OF BLUE OAK WOODLAND GROWING ALONG PLEASANT GROVE CREEK.
Buteo swainsoni	Swainson's hawk	NEST TREE WAS A COTTONWOOD; SURROUNDED BY ROW CROPS TO THE SE AND SW, AND RIPARIAN TO THE NE AND NW.
Agelaius tricolor	tricolored blackbird	HABITAT CLASSIFIED AS CATTAILS AROUND POTHOLE (1935), CATTAIL/TULE MARSH (1936). 1935 & 1936 SURVEYS CONDUCTED BY J. NEFF, EXACT LOCATION UNKNOWN AND THEREFORE ATTRIBUTED TO THIS OCCURRENCE. POTENTIAL HABITAT STILL PRESENT.
Agelaius tricolor	tricolored blackbird	
Agelaius tricolor	tricolored blackbird	COLONY PRESUMED EXTIRPATED BY BEEDY (1991). APPEARS THAT POND NEAR SOUTHERN END OF THE FEATURE WAS SURVEYED IN 2014; RED-WINGED BLACKBIRDS OBSERVED. DEVELOPED AREA WITH NARROW OPEN SPACE CORRIDORS, LIMITED NESTING HABITAT (2015).
Agelaius tricolor	tricolored blackbird	SURROUNDING HABITAT CONSISTS OF FARMLAND, MAINLY RICE FIELDS. AERIAL IMAGES SHOW THAT AREA HAS BEEN MOSTLY DEVELOPED. NESTING HABITAT VERY LIKELY REMOVED.
Agelaius tricolor	tricolored blackbird	1998 HABITAT DESCRIBED AS SMALL TULE MARSH. TRICOLORED BLACKBIRD PORTAL DESCRIBES HABITAT AS BULRUSH OR TULE. AERIAL IMAGERY SHOWS THAT SURROUNDING AREA HAS BEEN SUBSTANTIALLY DEVELOPED. IMPACT ON BIRDS NOT DETERMINED.
Agelaius tricolor	tricolored blackbird	OWNER SOLD TO NATOMAS BASIN CONSERVANCY CIRCA 2000. PREVIOUS OWNER HAD USED PROPANE CANNON AND A HIGH-FREQUENCY NOISE GENERATOR TO KEEP BLACKBIRDS FROM NESTING. 5 SEPARATE BLACKBERRY CLUMPS OCCUPIED IN 2000. POSSIBLE NESTING IN 1987.
Agelaius tricolor	tricolored blackbird	HABITAT COMPOSED OF COTTONWOOD AND RICE IN 1992. A LOT OF WINTER WHEAT IN FIELDS (2011). NO APPARENT THREATS TO SITE.
Agelaius tricolor	tricolored blackbird	CIRCULAR PATCH OF HIMALAYAN BLACKBERRY. 2000 COLONY WAS IN A HILLSIDE SEEP. LARGE STOCKPOND WITHIN 0.5 MILE.
Agelaius tricolor	tricolored blackbird	NESTING CENTERED AROUND A LARGE PATCH OF HIMALAYAN BLACKBERRY. SURROUNDED BY AGRICULTURE. BIRDS ALSO USED THE AREA AROUND NEARBY HOMESTEAD TO THE WEST.
Agelaius tricolor	tricolored blackbird	NESTING IN HIMALAYAN BLACKBERRY IN RUDERAL GRASSLAND/VERNAL POOL COMPLEX AT CONVERGENCE OF ORCHARD CREEK AND INGRAM SLOUGH. SURROUNDING AREA USED FOR RANCHING, SUBURBAN HOUSING. IN 2017 SITE WAS IN THE PROCESS OF BECOMING A MITIGATION BANK.
Agelaius tricolor	tricolored blackbird	BLACKBERRY BRAMBLES ALONG A CATTAIL/TULE MARSH. 2011 COLONY CONSISTED OF 3 BLACKBERRY BRAMBLES WITH OVER 100 BIRDS EACH; COLONY GROWING IN SIZE. DRY CONDITIONS AND MINIMAL WATER IN 2015.
Agelaius tricolor	tricolored blackbird	HIMALAYAN BLACKBERRY. MANY RED-WINGED BLACKBIRDS IN 2011. MARGINAL NESTING HABITAT IN 2015.
Agelaius tricolor	tricolored blackbird	3 DIFFERENT CLUMPS OF BLACKBERRY OCCUPIED WITH ANOTHER 3 NOT OCCUPIED. AREA SURROUNDED BY DRY IRRIGATED PASTURELAND.
Agelaius tricolor	tricolored blackbird	AREA FLOODED DUE TO BROKEN IRRIGATION PIPE, BLACKBERRY BRAMBLES REMOVED TO FIX PIPE, SIGNIFICANT RUNNING WATER NO LONGER EXISTS (2011). EXCELLENT HABITAT WITH HIMALAYAN BLACKBERRY, TULES, ADJACENT WATER, & FORAGING AROUND SITE IN 2014.
Agelaius tricolor	tricolored blackbird	GOOD TULES, SOME CATTAILS, AND HIMALAYAN BLACKBERRY.
Agelaius tricolor	tricolored blackbird	VERNAL POOL GRASSLAND W/ NEARBY RIPARIAN & BLUE/VALLEY OAK SAVANNAH. POSSIBLE NESTING AT SMALL POND; LIMITED ACCESS, COULDN'T CONFIRM NESTING. RED-TAILED HAWK, NORTHERN HARRIER, RED-SHOULDERED HAWK, COOPER'S HAWK, & BURROWING OWL ALSO SEEN.
Agelaius tricolor	tricolored blackbird	NESTING SUBSTRATE CONSISTED OF BULRUSH GROWING IN A SHALLOW FARM POND. POND WAS A SMALL LAKE & MARSHY CREEK WITH PAVED WALKING, BIKE, & DOG WALKING TRAILS. AT THE EDGE OF A DEVELOPED SUBDIVISION (2011). HABITAT STILL EXISTS (2015).
Agelaius tricolor	tricolored blackbird	HABITAT COMPOSED OF SEVERAL ADJACENT CLUMPS OF HIMALAYAN BLACKBERRY. IN 2014, FORAGING BIRDS WERE FLYING LOW ACROSS INDUSTRUAL AVE TO FORAGE AND AT LEAST ONE WAS HIT BY A CAR.
Agelaius tricolor	tricolored blackbird	HABITAT WAS HIMALAYAN BLACKBERRY. SITE WAS ON A SMALL STREAM FED BY THE CAPERTON CANAL. A SIGNIFICANT AMOUNT OF HABITAT HAD BEEN CUT BY 2011 SURVEY. THE SURROUNDING AREA HAS UNDERGONE SIGNIFICANT RESIDENTIAL DEVELOPMENT FROM 2000-2011.
Agelaius tricolor	tricolored blackbird	HIMALAYAN BLACKBERRY AND TULES. BIRDS OBSERVED FORAGING IN SURROUNDING GRASSLANDS IN 2011.
Agelaius tricolor	tricolored blackbird	BIRDS USING HIMALAYAN BLACKBERRY. SITE CONSISTED OF STREAM, POND, AND MARSH HABITAT. A PUBLIC TRAIL FOLLOWS THE STREAM AND MARSH. BIRDS FORAGE IN SURROUNDING GRASSLANDS.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	OAK WOODLAND AND SAVANNAH, VERNAL POOLS, AND SEASONAL WETLANDS ARE INTERSPERSED WITHIN THE GREATER GRASSLAND AREA. ASSOCIATED SPECIES INCLUDED CALIFORNIA BUCKEYE, TOYON, COYOTE BRUSH, BUCK BRUSH, GRAY PINE, BLUE OAK, AND VALLEY OAK.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	ALL SHRUBS WERE ORIGINALLY PLANTED AS SEEDLINGS, EXCEPT AS FOLLOWS: EXIT HOLES IN 3 SHRUBS OBSERVED IN 2012 AND IN 1 OBSERVED IN 2014 WERE TRANSPLANTS FROM AN IMPACT SITE. 2014 EXIT HOLE OCCURRED IN A SHRUB THAT WAS PLANTED THE SAME YEAR.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	RIPARIAN HABITAT. AERIAL IMAGERY (1993-2013) SHOWS AREA IS SURROUNDED BY AGRICULTURAL LANDS.
Branchinecta lynchi	vernal pool fairy shrimp	AERIAL PHOTOS INDICATE DEVELOPMENT IN THE VICINITY OF THE 1993 DETECTIONS; HABITAT MAY HAVE BEEN LOST. 1997: A MITIGATION AREA WITH SEASONAL WETLANDS, REFERENCE VERNAL POOLS, AND CONSTRUCTED POOLS IN ANNUAL GRASSLAND/OAK WOODLAND.
Branchinecta lynchi	vernal pool fairy shrimp	NATURAL SEASONAL WETLANDS AND NATURAL VERNAL POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	NATURAL VERNAL POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT CONSISTS OF LIGHTLY GRAZED ANNUAL GRASSLAND AND VERNAL POOL LANDSCAPE. SWAINSON'S HAWK OBSERVED FORAGING (SPRING, SUMMER, FALL) IN VICINITY. SITE IS A CONSERVATION BANK. SURROUNDING LAND COMPRISED OF RICE FARMING AND CATTLE GRAZING.
Branchinecta lynchi	vernal pool fairy shrimp	MANMADE ROADSIDE DITCH.
Branchinecta lynchi	vernal pool fairy shrimp	MAN-MADE INTERMITTENT POOL WITH VERNAL POOL INDICATOR PLANTS. SURROUNDING LAND USE IS INDUSTRIAL AND AGRICULTURAL. DISTURBANCE NOTED FROM DISKING AND WEED CONTROL ON NEARBY SEASONAL WETLANDS.
Branchinecta lynchi	vernal pool fairy shrimp	TWO PRESERVES TOTALLING 1,947 ACRES, WITH ABOUT 72 ACRES OF CREATED AND NATURAL VERNAL POOLS AND VERNAL SWALES IN GRAZED ANNUAL GRASSLAND. CLAM SHRIMP CYSTS (EULIMNADIA SP) FOUND AT TOAD HILL IN 2009 AND PRESUMED NON-NATIVE/INTRODUCED.
Branchinecta lynchi	vernal pool fairy shrimp	MR: 2 CONTIGUOUS RESTORATION SITES W/CONSTRUCTED & REFERENCE WETLANDS; 10S-100S FOUND PER POOL; LINDERIELLA OCCIDENTALIS ALSO FOUND. AMR: 808-AC PROPOSED MITIGATION SITE W/ VERNAL POOLS IN GRAZED ANNUAL GRASSLAND; 10S-1000S FOUND PER POOL.
Branchinecta lynchi	vernal pool fairy shrimp	FOSKETT: NATURAL VERNAL POOLS IN 117.56-ACRE OPEN SPACE PRESERVE ON 3 LOTS; DEVELOPMENT ALONG PRESERVE BOUNDARY IN 2005; LINDERIELLA OCCIDENTALIS ALSO FOUND. SWAINSONS: VERNAL POOL GRASSLAND PRESERVE W/OAK SAVANNA, GRAZED BY CATTLE.
Branchinecta lynchi	vernal pool fairy shrimp	SEASONAL WETLAND SWALES AND VERNAL POOLS SURROUNDED BY GRAZED ANNUAL GRASSLAND. DISTURBANCE FROM HOOFPRINTS NOTED.
Branchinecta lynchi	vernal pool fairy shrimp	75 ACRE MITIGATION BANK WITH ABOUT 12 ACRES OF CREATED VERNAL POOLS AND SWALES IN ANNUAL GRASSLAND. SURROUNDING LAND USED FOR GRAZING AND RICE PRODUCTION.
Branchinecta lynchi	vernal pool fairy shrimp	145-ACRE NORTHERN HARDPAN VERNAL POOL PRESERVE WITH CONSTRUCTED VERNAL POOLS (3.95 ACRES), CONSTRUCTED SEASONAL WETLANDS (1.95 ACRES), AND REFERENCE VERNAL POOLS IN ANNUAL GRASSLAND.
Branchinecta lynchi	vernal pool fairy shrimp	WETLAND FEATURE IN NE 1/4 WAS 95 SQ METERS, 17 CM DEEP. FEATURE IN SW 1/4 WAS 95 SQ METERS AND 14 CM DEEP.
Branchinecta lynchi	vernal pool fairy shrimp	220-ACRE PRESERVE (AS OF 2013) WITH OVER 40 ACRES OF NATURALLY-OCCURRING VERNAL POOLS AND SWALES IN GRAZED ANNUAL GRASSLAND; SURROUNDED BY LAND USED FOR GRAZING AND CROPLAND. LEPIDURUS PACKARDI ALSO PRESENT.
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT IS COMPLEX OF SEASONAL POOLS AND SWALES; SAN JOAQUIN SOIL SERIES; ASSOCIATED PLANTS: CRASSULA AQUATICA, LOLIUM MULTIFLORUM, CALLITRICHE MARGINATA, LILAEA SCILLOIDES, LYTHRUM HYSSOPIFOLIUM, MIMULUS GUTTATUS, MONTIA FONTANA ET AL.
Branchinecta lynchi	vernal pool fairy shrimp	GRAZED ANNUAL GRASSLAND AND RIPARIAN CORRIDOR.
Branchinecta lynchi	vernal pool fairy shrimp	PRESERVE WITH VERNAL POOL GRASSLAND AND FALLOW AGRICULTURAL FIELDS; INCLUDED CREATED/RESTORED WETLANDS AND VERNAL POOLS AS WELL AS NATURAL/HISTORIC VERNAL POOLS AND WETLANDS. SITE USED FOR CATTLE GRAZING.
Branchinecta lynchi	vernal pool fairy shrimp	CONSTRUCTED AND EXISTING SEASONAL WATERBODIES WITHIN NON-NATIVE ANNUAL GRASSLAND. LASTHENIA FREMONTII, NAVARRETIA LEUCOCEPHALA, & ELOCHARIS MACROSTACHYA DOMINANT. LINDERIELLA OCCIDENTALIS ALSO PRESENT IN MITIGATION SITE.
Branchinecta lynchi	vernal pool fairy shrimp	NATURAL HARDPAN VERNAL POOLS & CREATED POOLS IN ANNUAL GRASSLAND; COMPENSATION/MITIGATION SITE SURROUNDED BY DEVELOPMENT (2002). ON 31 JAN 1995 THE SURFACE AREA WAS 59 (U22) & 94 (U26) SQUARE METERS & THE DEPTH WAS 35 (U22) & 14 (U26) CM.
Branchinecta lynchi	vernal pool fairy shrimp	VERNAL POOL GRASSLAND PRESERVE WITH OAK SAVANNA, GRAZED BY CATTLE. SURROUNDED BY GRAZING LAND AND HOUSING DEVELOPMENTS.
Branchinecta lynchi	vernal pool fairy shrimp	ANNUAL GRASSLAND INTERSPERSED WITH CONSTRUCTED AND HISTORIC VERNAL POOLS. SURROUNDING LAND HAS BEEN DEVELOPED.
Branchinecta lynchi	vernal pool fairy shrimp	1993: NATURAL VERNAL POOLS. 2005: NATURAL VERNAL POOLS ON PRESERVE; SURROUNDING AREA IS BEING DEVELOPED. 2009: VALLEY GRASSLAND WITH SCATTERED VERNAL POOLS, SWALES, AND SEASONAL WETLANDS.
Branchinecta lynchi	vernal pool fairy shrimp	GRAZED NON-NATIVE GRASSLAND. LINDERIELLA OCCIDENTALIS ALSO FOUND. PROPOSED MITIGATION SITE.
Branchinecta lynchi	vernal pool fairy shrimp	AN 80 ACRE PRESERVE WITH 7.4 ACRES OF CREATED AND NATURAL VERNAL POOLS, AND VERNAL SWALES. USED FOR GRAZING.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN VERNAL POOLS. 2 OCCUPIED POOLS ON ELVERTA 24 PROPERTY PROBABLY CONNECT IN HIGH RAIN YEARS. MITIGATION AREA 1 PROPOSED AS MITIGATION BANK AS OF 2007. CALIFORNIA FAIRY SHRIMP AND CALIFORNIA CLAM SHRIMP ALSO FOUND.
Branchinecta lynchi	vernal pool fairy shrimp	NATURAL VERNAL POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	1995: NATURAL AND CONSTRUCTED HARDPAN VERNAL POOLS IN ANNUAL NON-NATIVE GRASSLAND ON WETLAND COMPENSATION/MITIGATION PRESERVES. 2013: CONSTRUCTED VERNAL POOLS SURROUNDED BY DEVELOPMENT.
Branchinecta lynchi	vernal pool fairy shrimp	CONSTRUCTED HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE.
Branchinecta lynchi	vernal pool fairy shrimp	SITE CONSISTS OF ANNUAL GRASSLAND COMPRISED OF NATURALIZED MEDITERRANEAN GRASSES AND NUMEROUS ASSOCIATED VERNAL POOLS (OVER 200), SEASONAL WETLANDS, AND SEASONAL WETLAND SWALES.
Branchinecta lynchi	vernal pool fairy shrimp	NON-NATIVE ANNUAL GRASSLAND WITH NUMEROUS ASSOCIATED VERNAL POOLS (OVER 200), SEASONAL WETLANDS, AND SEASONAL WETLAND SWALES. SITE APPEARS TO BE DISKED ANNUALLY FOR VEGETATION CONTROL.
Branchinecta lynchi	vernal pool fairy shrimp	2006: BASIN 15 A LARGE VERNAL POOL, HABITAT QUALITY FAIR, CALIFORNIA CLAMP SHRIMP ALSO PRESENT. 2010: SEASONAL WETLAND ON PROPERTY WITH SOME DISTURBANCE FROM GRAZING AND OHV USE.
Branchinecta lynchi	vernal pool fairy shrimp	ANNUAL GRASSLAND WITH CONSTRUCTED AND HISTORIC VERNAL POOLS SURROUNDED BY OAK WOODLAND. LINDERIELLA OCCIDENTALIS ALSO FOUND HERE.
Branchinecta lynchi	vernal pool fairy shrimp	DESIGNATED OPEN SPACE PRESERVE. VERNAL POOL GRASSLAND DOMINATED BY NON-NATIVE ANNUALS. SOME DISTURBANCE FROM OCCASIONAL HUMAN VISITATION.
Branchinecta lynchi	vernal pool fairy shrimp	632-ACRE PRESERVE WITH NORTHERN HARDPAN VERNAL POOLS, SWALES, & EMERGENT MARSH IN GRAZED ANNUAL GRASSLAND. MAJORITY OF VERNAL POOLS LOCATED ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS.
Branchinecta lynchi	vernal pool fairy shrimp	CONSTRUCTED VERNAL POOLS WITHIN NON-NATIVE ANNUAL GRASSLAND.
Branchinecta lynchi	vernal pool fairy shrimp	LONG POOL (14 FEET WIDE AND 275 FEET LONG, DEPTH=0.15 M) IN TIRE RUTS FROM VEHICLES. VERY TURBID WATER. FLAT, INUNDATED AREA DEVOID OF VEGETATION. SANDY CLAY LOAM SOIL.
Branchinecta lynchi	vernal pool fairy shrimp	VALLEY GRASSLAND WITH SCATTERED VERNAL POOLS, SWALES, AND SEASONAL WETLANDS.
Branchinecta lynchi	vernal pool fairy shrimp	30 ACRE PROPERTY PROPOSED FOR ROAD IMPROVEMENTS AND COMMERCIAL DEVELOPMENT (AS OF 2007). 2.5 ACRES OF SEASONAL WETLANDS INCLUDING VERNAL POOLS, DITCHES, AND SWALES.
Branchinecta lynchi	vernal pool fairy shrimp	CONSTRUCTED & HISTORIC VERNAL POOLS IN NON-NATIVE ANNUAL GRASSLAND ON A WETLAND COMPENSATION/MITIGATION PRESERVE SURROUNDED BY DEVELOPED LAND. IN 1995, POOL NB WAS 94 SQ METERS & 17 CM DEEP. LINDERIELLA OCCIDENTALIS ALSO FOUND.
Branchinecta lynchi	vernal pool fairy shrimp	VALLEY GRASSLAND WITH SCATTERED VERNAL POOLS, SWALES, AND SEASONAL WETLANDS.
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT CONSISTS OF TWO DISTURBED VERNAL POOLS. BURROWING OWLS ALSO FOUND AT THIS LOCATION.
Branchinecta lynchi	vernal pool fairy shrimp	118 ACRE PRESERVE ON 3 LOTS. DEVELOPMENT ALONG PRESERVE BOUNDARIES. LINDERIELLA OCCIDENTALIS ALSO FOUND.
Branchinecta lynchi	vernal pool fairy shrimp	GRAZED ANNUAL GRASSLAND ON GENTLY ROLLING TERRAIN. VERNAL POOLS, SEASONAL WETLANDS AND SWALES SCATTERED THROUGHOUT SITE. SITE SURRONDED BY UNDEVELOPED LAND TO THE EAST AND WEST, RURAL RESIDENTIAL TO THE NORTH, AND SCHOOL TO THE SOUTH.
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT CONSISTS OF A VERNAL POOL IN GRAZED ANNUAL GRASSLAND.
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT CONSISTS OF A VERNAL POOL (12-14 IN DEEP); ASSOCIATED PLANT SPECIES INCLUDE CALLITRICHE MARGINATA, ELEOCHARIS MACROSTACHYA, LASTHENIA GLABRATA, LILEA SCILLOIDES, LIMNANTHES ALBA, AND OTHERS. LINDERIELLA OCCIDENTALIS ALSO PRESENT.
Branchinecta lynchi	vernal pool fairy shrimp	CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITH NON-NATIVE ANNUAL GRASSLAND. PROTECTED AREA, SURROUNDED BY RESIDENTIAL DEVELOPMENT.
Branchinecta lynchi	vernal pool fairy shrimp	1998: VERNAL POOL COMMUNITY. 2009 AERIAL PHOTOS SHOW THAT THE SITE HAS BEEN COMPLETELY DEVELOPED.
Branchinecta lynchi	vernal pool fairy shrimp	VERNAL POOL COMMUNITY.
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT CONSISTS OF LAND WHICH HAS BEEN DRY-FARMED (DISKED ETC.)
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT CONSISTS OF FORMERLY GRAZED, NON-NATIVE ANNUAL GRASSLAND, INTERSPERSED WITH VERNAL POOLS.
Branchinecta lynchi	vernal pool fairy shrimp	VERNAL POOL WITH ALGAE AND GRASS BOTTOM. POOL ESTIMATED TO BE 25 FEET LONG AND 15 FEET WIDE WITH A MAXIMUM DEPTH OF 10 INCHES; SURROUNDED BY ANNUAL GRASSLAND. OSTRACODS, COPEPODS, AND LINDERIELLA OCCIDENTALIS ALSO PRESENT.
Branchinecta lynchi	vernal pool fairy shrimp	SINGLE VERNAL POOL WITH ERYNGIUM SP. & FESTUCA PERENNIS.
Branchinecta lynchi	vernal pool fairy shrimp	1993: MANMADE ROADSIDE DITCHES; LEPIDURUS PACKARDI ALSO OBSERVED. 2011: SMALL (3 FOOT X 3 FOOT) VERNAL POOL IN PASTURE DOMINATED BY NON-NATIVE GRASSES; DISTURBANCE FROM PIG FARMING EVIDENT.
Branchinecta lynchi	vernal pool fairy shrimp	15 X 50 FOOT VERNAL POOL IN PASTURE DOMINATED BY NON-NATIVE GRASSES. VERNAL POOLS AND SEASONAL WETLANDS SCATTERED THROUGHOUT.
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	IN AGRICULTURAL AND RESIDENTIAL AREA.
Branchinecta lynchi	vernal pool fairy shrimp	VIABLE POPULATION IN SEASONAL WETLAND 8 INCHES DEEP. DISTURBANCE FROM OFF-ROAD VEHICLES NOTED. SITE WAS PLOWED/DISKED HISTORICALLY.
Branchinecta lynchi	vernal pool fairy shrimp	DISTURBED VERNAL POOL IN NON-NATIVE GRASSLAND PERIODICALLY MECHANICALLY TREATED FOR WEEDS.
Branchinecta lynchi	vernal pool fairy shrimp	SEASONAL WETLAND IN GRAZED PROPERTY WITH SOME OHV DISTURBANCE.
Branchinecta lynchi	vernal pool fairy shrimp	A DITCH, A POND, AND A VERNAL POOL IN GRASSLAND WITH SOME OHV AND GRAZING DISTURBANCE.
Branchinecta lynchi	vernal pool fairy shrimp	GRAZED ANNUAL GRASSLAND AND RIPARIAN CORRIDOR.
Branchinecta lynchi	vernal pool fairy shrimp	DISTURBED RR/ROADSIDE DITCHES SURROUNDED BY NON-NATIVE GRASSLAND IN AN INDUSTRIAL AREA OF FORMER MCCLELLAN AIR FORCE BASE. LINDERIELLA OCCIDENTALIS PRESENT. DISTURBANCE FROM TRASH, TRANSIENTS, & OIL NOTED.

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SNAME	CNAME	ECOLOGICAL
Branchinecta lynchi	vernal pool fairy shrimp	
Branchinecta lynchi	vernal pool fairy shrimp	SEASONAL POND (500 FEET LONG X 45 FEET WIDE), AVERAGE DEPTH=6 INCHES; MAX. DEPTH=20 INCHES; TEMP=21.5 DEGREES CELSIUS; TURBIDITY=98%; CONDUCTIVITY=98 MICROHMS/CM.
Branchinecta lynchi	vernal pool fairy shrimp	CONSTRUCTED HARDPAN VERNAL POOL IN NON-NATIVE ANNUAL GRASSLAND.
Branchinecta lynchi	vernal pool fairy shrimp	CONSTRUCTED HARDPAN VERNAL POOL WITHIN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE.
Branchinecta lynchi	vernal pool fairy shrimp	HABITAT CONSISTS OF VERNAL POOLS WITHIN ROLLING GRASSLAND.
Branchinecta lynchi	vernal pool fairy shrimp	SITE APPEARS TO BE CREATED WETLANDS FROM AN AREA THAT WAS FORMERLY USED FOR RICE FARMING.
Lepidurus packardi	vernal pool tadpole shrimp	MANMADE ROADSIDE DITCHES.
Lepidurus packardi	vernal pool tadpole shrimp	MANMADE ROADSIDE DITCHES.
Lepidurus packardi	vernal pool tadpole shrimp	SURROUNDING LAND USE: AGRICULTURE AND FALLOW FIELDS.
Lepidurus packardi	vernal pool tadpole shrimp	1995-1996: VERNAL POOLS IN ANNUAL GRASSLAND/OAK SAVANNA. 2006-2013: 220-ACRE PRESERVE (UP FROM 98 ACRES IN 2006) WITH MORE THAN 100 NATURALLY-OCCURRING VERNAL POOLS.
Lepidurus packardi	vernal pool tadpole shrimp	1993: MANMADE VERNAL POOL. 1995: HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND ON WETLAND COMPENSATION/MITIGATION PRESERVE. AIR PHOTOS SINCE THE TIME OF SURVEY SHOW DEVELOPMENT IN VICINITY.
Lepidurus packardi	vernal pool tadpole shrimp	SEASONAL WETLAND ALONG ROADSIDE DISTURBED BY EXCAVATION OF A TELECOMMUNICATION LINE; PREVIOUSLY FILLED WITH RUNOFF FROM ADJACENT WETLAND COMPLEX AND NEARBY STREAM. SURROUNDING LAND BEING DEVELOPED FOR HOUSING.
Lepidurus packardi	vernal pool tadpole shrimp	DEPRESSIONS CREATED BY FILL MATERIAL USED TO CONSTRUCT RR GRADE. POOLS SEPARATED BY DRAINAGE CHANNEL & BERMS. FUNCTIONS LIKE VERNAL POOLS WITH CHARACTERISTIC PLANTS: ELEOCHARIS, ERYNGIUM, LASTHENIA & JUNCUS.
Lepidurus packardi	vernal pool tadpole shrimp	DEPRESSION ARRARENTLY CREATED DURING CONSTRUCTION OF RR GRADE. PLANTS: LOLIUM PERENNE, PHYLA NODIFLORA, ERYNGIUM VASEYI, & PLAGIOBOTHRYS STIPITATUS. SEASONAL POOL, AT TIME OF SURVEY IT WAS ~20 FT WIDE & 325 FT LONG WITH ~1 FOOT OF WATER.
Emys marmorata	western pond turtle	SURROUNDING AREA IS ANNUAL GRASSLAND WITH MANY VERNAL POOLS.
Gonidea angulata	western ridged mussel	
Spea hammondii	western spadefoot	GRASSLAND WITH NUMEROUS VERNAL POOLS AND SWALES.
Spea hammondii	western spadefoot	VERNAL POOL AND GRASSLAND HABITAT, RURAL HOUSING AND RANCHING ACTIVITIES IN THE AREA.
Spea hammondii	western spadefoot	VERNAL POOL AND GRASSLAND HABITAT, RURAL HOUSING AND RANCHING ACTIVITIES IN THE AREA.
Spea hammondii	western spadefoot	VERNAL POOL AND GRASSLAND HABITAT, RURAL HOUSING AND RANCHING ACTIVITIES IN THE AREA.
Spea hammondii	western spadefoot	VERNAL POOL AND GRASSLAND HABITAT, RURAL HOUSING AND RANCHING ACTIVITIES IN THE AREA.
Spea hammondii	western spadefoot	HABITAT CONSISTS OF TWO PONDED AREAS WITHIN A SEASONAL SWALE/CHANNEL. AREA APPEARED TO BE NATIVE HABITAT IN 2004 AERIALS; SURROUNDINGS GRADED FOR DEVELOPMENT IN 2005 AERIALS; AND SEVERAL NEIGHBORHOOD DEVELOPMENTS BY 2013 AERIAL.
Spea hammondii	western spadefoot	SURROUNDING LAND USE: RAILROAD EASEMENT. CALIFORNIA LINDERIELLA ALSO PRESENT. OFTEN CO-OCCUR WITH PACIFIC CHORUS FROG AND WESTERN TOAD. CLAM SHRIMP OCCASIONALLY PRESENT AS WELL.
Spea hammondii	western spadefoot	FOUND ALONG ROAD IN VERNAL POOL AND GRASSLAND HABITAT. RURAL HOUSING AND RANCHING ACTIVITIES IN THE AREA.
Spea hammondii	western spadefoot	VERNAL POOL AND GRASSLAND HABITAT, RURAL HOUSING AND RANCHING ACTIVITIES IN THE AREA.
Spea hammondii	western spadefoot	VERNAL POOL AND GRASSLAND HABITAT, RURAL HOUSING AND RANCHING ACTIVITIES IN THE AREA.
Spea hammondii	western spadefoot	VERNAL POOLS AND INTERMITTENT CREEK. SURROUNDING LAND USE: MITIGATION SITE, VARIOUS DEVELOPMENTS.
Spea hammondii	western spadefoot	ANNUAL GRASSLAND.
Coccyzus americanus occidentalis	western yellow-billed cuckoo	
Elanus leucurus	white-tailed kite	NEST IS IN BOXELDER ALONG DON JULIO CREEK. SURROUNDING AREA IS ANNUAL GRASSLAND.
Elanus leucurus	white-tailed kite	HABITAT CONSISTS OF SOME ISOLATED, SMALL VALLEY OAKS ALONG A FENCELINE.
Elanus leucurus	white-tailed kite	NEST TREE IS A VALLEY OAK SURROUNDED BY OPEN, NON-NATIVE GRASSLAND HABITAT; NEARBY RIPARIAN IN NEMDC.
Elanus leucurus	white-tailed kite	HABITAT CONSISTS OF A SMALL, REMNANT RIPARIAN PATCH ALONG THE HISTORIC ROBLA CREEK CORRIDOR.
Elanus leucurus	white-tailed kite	NEST TREE IS AN ORNAMENTAL TREE ON A VACANT LOT; SURROUNDED BY RESIDENTIAL TO THE NORTH, NEMDC TO THE EAST, AND VACANT LAND TO THE SOUTH AND WEST.
Elanus leucurus	white-tailed kite	NEST TREE IS A VALLEY OAK SURROUNDED BY OPEN, NON-NATIVE GRASSLAND HABITAT.
Elanus leucurus	white-tailed kite	NEST SITE IS LOCATED WITHIN A EUCALYPTUS GROVE AT A RESIDENTIAL SITE; SURROUNDED BYOPEN GRASSLAND.
Elanus leucurus	white-tailed kite	NEST TREE IS A VALLEY OAK SURROUNDED BY OPEN, NON-NATIVE GRASSLAND HABITAT.
Elanus leucurus	white-tailed kite	HABITAT CONSISTS OF RIPARIAN/OAK WOODLAND, DOMINATED BY BLUE OAKS AND INTERIOR LIVE OAKS.
Elanus leucurus	white-tailed kite	HABITAT CONSISTS OF OAK/RIPARIAN WOODLAND ALONG THE CREEKSIDE.
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	PLANTS GROWING ON UPSLOPE EDGE OF TULE MARSH LINING CANAL. ASSOCIATES INCLUDE SCHOENOPLECTUS ACUTUS, TYPHA LATIFOLIA, LUDWIGIA SP, HIRSCHFELDIA INCANA, AND CYNODON DACTYLON.

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SNAME	CNAME	GENERAL
Juncus leiospermus var. ahartii	Ahart's dwarf rush	45 PLANTS OBSERVED IN 1990. SITE IS SLATED FOR SUBDIVISION; DEVELOPER PLANS ON PRESERVING SOME VERNAL POOLS, NONE OF WHICH HAVE BEEN SHOWN TO HAVE JUNCUS LEIOSPERMUS AHARTII. SITE INTERESTING DUE TO NUMEROUS SEEP AREAS.
Alkali Meadow	Alkali Meadow	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Alkali Seep	Alkali Seep	ARMY CORPS INVOLVED IN RESTORATION AND MITIGATION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Andrena subapasta	An andrenid bee	FEMALE COLLECTED 18 APR 1954 BY R.R. SNELLING, IN COLLECTION OF AMERICAN MUSEUM OF NATURAL HISTORY.
Andrena subapasta	An andrenid bee	FEMALE COLLECTED 12 MAR 1932 BY E. FOURNESS, IN COLLECTION OF AMERICAN MUSEUM OF NATURAL HISTORY.
Riparia riparia	bank swallow	160 BURROWS OBSERVED ON 28 MAY 1991. AREA ACTIVE.
Riparia riparia	bank swallow	52 BURROWS OBSERVED DURING JUN 1993. BURROWS NOT ACTIVE 9 JUN 1994. BURROWS NOT OBSERVED ON 13 JUL 1995; MAY BE TOO LATE TO DETECT BREEDING AND SO THIS DATE IS NOT USED TO UPDATE RECORD.
Balsamorhiza macrolepis	big-scale balsamroot	SITE IS BASED ON A 1917 RAMALEY COLLECTION AND A 1939 HOOVER COLLECTION; PLANTS NOTED AS "LOCALLY FREQUENT" IN 1917. NEEDS FIELDWORK.
Balsamorhiza macrolepis	big-scale balsamroot	MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 1957 CRAMPTON COLLECTION FROM 3.2 MILES NORTH OF ROSEVILLE ALONG HWY 99E. 1957 & 1958 FULLER COLLECTIONS FROM 2 MILES NORTH OF ROSEVILLE ALONG HWY 99E ALSO ATTRIBUTED HERE. NEEDS FIELDWORK.
Nycticorax nycticorax	black-crowned night heron	SOME ADULTS WERE OBSERVED CARRYING NEST MATERIAL TO TREES. ADULTS AND IMMATURES OBSERVED FORAGING IN ADJACENT FIELDS. GREAT EGRETS AND SNOWY EGRETS ALSO NEST AT THIS LOCATION.
Nycticorax nycticorax	black-crowned night heron	SITE WAS VISITED ON 7 MARCH 1991; 300+ ADULTS OBSERVED. ON A SUBSEQUENT VISIT ON 28 MARCH 1991, APPROXIMATELY 1000 ADULTS WERE OBSERVED AND NESTS CONTAINING AS MANY AS 5 EGGS.
Gratiola heterosepala	Boggs Lake hedge-hyssop	SITE BASED ON 1960 BACIGALUPI COLLECTION, NONE FOUND WHEN HE REVISITED SITE IN 1977. VERNAL POOLS N OF JUNCTION OF U ST AND DRY CREEK RD SEARCHED IN 1978 & 1997, BUT ONLY G. EBRACTEATA FOUND. STILL SOME HABITAT IN 1997, MORE SURVEYS NEEDED.
Gratiola heterosepala	Boggs Lake hedge-hyssop	OVER 40 PLANTS IN 2 SUBPOPULATIONS IN 1987. NOT OBSERVED IN 1997 (TOO LATE IN YEAR?). DEVELOPMENT IMMINENT IN 1997; ROSEVILLE BLVD EXPANSION HAS/WILL PROBABLY WIPE OUT MOST OF THIS OCCURRENCE. 2009 AERIAL IMAGERY SHOWS SITE EXTIRPATED.
Gratiola heterosepala	Boggs Lake hedge-hyssop	FEWER THAN 200 PLANTS OBSERVED IN 1989.
Gratiola heterosepala	Boggs Lake hedge-hyssop	MORE THAN 500 PLANTS IN 1986. SOUTHERN POLYGON IS PROBABLY EXTIRPATED ACCORDING TO WITHAM'S 2008 AERIAL PHOTO INTERPRETATION; A HOUSING DEVELOPMENT NOW EXISTS THERE. BY 2016, ENTIRE AREA HAS BEEN DEVELOPED, SITE EXTIRPATED.
Gratiola heterosepala	Boggs Lake hedge-hyssop	1000-1500 PLANTS OBSERVED IN 2006. 1000 PLANTS OBSERVED IN A SUBSEQUENT VISIT IN 2008.
Athene cunicularia	burrowing owl	MVZ EGG SET #893 COLLECTED 8 MAY 1901 BY R. H. ELLIOTT.
Athene cunicularia	burrowing owl	ONE ADULT OBSERVED ROOSTING IN A DEBRIS PILE NEAR A BURROW SITE IN 1992; TWO ADULTS OBSERVED AT A BURROW ADJACENT TO VERNAL POOLS IN 1993. OWLS NOT OBSERVED IN GENERAL AREA ON 5 MAY 2003 - DATE OF SITE VISIT LIKELY TO EARLY.
Athene cunicularia	burrowing owl	18 JAN 1991: A MINIMUM OF 8 ADULT OWLS OBSERVED OCCUPYING BURROW SITES; OTHER BURROWS WERE PRESENT THAT ALSO APPEARED ACTIVE. OWLS NOT OBSERVED ON 5 MAY 2003.
Athene cunicularia	burrowing owl	E: 1 PAIR, 2006. W: 2 AT BU 1988; 2 AT 1 BU IN MAR & 14+ AT 2+ BU IN JUL 1993; 0 OBS 2003; 9 OWLS & MANY BU IN 2005; 3 PAIRS/BU IN 2006; 1 OWL AT BU (CLOSED) & 1 BU W/ SIGN IN 2007. 1 AD AT ARTIFICIAL BU 2009. 16 OWLS (6 PAIR, 6 JUV) 2012.
Athene cunicularia	burrowing owl	2 ADULTS OBSERVED AT 1 NESTING BURROW ON 27 APR 2006. 4 OBSERVED AT 4 SITES (1 AT EACH) IN JAN AND FEB 2007. 1 ADULT AT ONE SITE & A PAIR WITH 6 JUVENILES AT ANOTHER SITE ON 2 JUN 2007.
Athene cunicularia	burrowing owl	OWLS (NEVER MORE THAN 2) OBSERVED YEAR-ROUND DURING 1998. HABITAT APPEARS EXTANT, BUT NO OWLS WERE OBSERVED ON 5 MAY 2003 - DATE OF SITE VISIT LIKELY TO EARLY.
Athene cunicularia	burrowing owl	3 BUOW AT 3 BURROWS IN N FEATURE IN JAN 2007; OWL LATER FOUND DEAD AT 1 SITE & BURROW COLLAPSED AT ANOTHER. 1 BUOW AT 1 BURROW IN CENTER FEATURE IN FEB 2007. 1 PAIR IN N FEATURE & 1 PAIR WITH 1 JUVENILE IN S FEATURE IN JUN 2007.
Athene cunicularia	burrowing owl	2 BIRDS OBSERVED AT GROUND SQUIRREL BURROWS ON 4 & 6 JAN 2007. SURVEYS ON 5 FEB FOUND 1 OWL MOVED NORTH, CLOSER TO BRIDGECROSS DR & NO DETECTION OF THE OTHER OWL.
Athene cunicularia	burrowing owl	2 BURROWS WITH 3 ADAULTS AT N FEATURE, 1 BURROW WITH 2 ADULTS AT CENTER FETAURE, & 1 BURROW WITH 2 ADULTS AT S FEATURE ON 12 JUN 2007 DURING STATEWIDE SURVEY.
Athene cunicularia	burrowing owl	ABOUT 12 OBSERVED IN OR NEAR BURROWS & GIVING WARNING CALLS JUL 2012. 4 ADULTS & 7 RECENTLY FLEDGED JUVENILES (ABOUT 3 FAMILY GROUPS) WERE OBSERVED BY BURROWS WITH FEATHERS & WHITEWASH; OLDER OWLS EXHIBITED SENTINEL BEHAVIOR 17 AUG 2012.
Athene cunicularia	burrowing owl	2 OWLS & A BURROW OBSERVED AT SOUTH END OF FEATURE ON 1 JUL 2006; 1 OWL WAS LIGHT & TAWNY-LOOKING. 2 ADULTS WITH 2 JUVENILES OBS AT NORTH END OF FEATURE ON 9 JUN 2007. 4 JUVENILES OBS IN CENTER OF FEATURE ON 28 JUN 2007.
Athene cunicularia	burrowing owl	2 BUOW SEEN NEAR BURROWS IN WHAT APPEARS TO BE AN OLD LEVEE NORTH OF ELKHORN BLVD. THERE IS ALSO A LARGE BANK WITH BURROWS ABOUT 300 FT SOUTH OF ELKHORN BLVD.
Athene cunicularia	burrowing owl	4 ADULTS OBSERVED AT BURROWS IN SE FEATURE ON 23 APR 2003. 1 ADULT OBS AT NW FEATURE ON 14 JUL 2006 DURING THE STATEWIDE SURVEY.
Athene cunicularia	burrowing owl	1 ADULT OBS AT NW FEATURE ON 3 JUN 2006 DURING STATEWIDE SURVEY. THE CARCASS OF A BUOW WAS FOUND IN FRONT OF A BURROW IN SE FEATURE ON 14 JUN 2006; IT WAS KILLED AND EATEN BY AN UNKNOWN PREDATOR.
Athene cunicularia	burrowing owl	5 INDIVIDUALS OBSERVED ON 10 JUL 1993. OWLS NOT OBSERVED ON 5 MAY 2003 - DATE OF SITE VISIT LIKELY TO EARLY.
Athene cunicularia	burrowing owl	2 ADULTS AND 2 JUVENILES OBSERVED. THREE BURROWS WITH WHITEWASH, PELLET CASTINGS AND PREY REMAINS OBSERVED. NO OWLS WERE OBSERVED ON 5 MAY 2003 - DATE OF SITE VISIT LIKELY TO EARLY.
Athene cunicularia	burrowing owl	1 ADULT OBSERVED AT BURROW SITE ON 30 JAN, 1 FEB AND 18 FEB 2008. GULLS ATTRACTED BY NEARBY WASTEWATER & GARBAGE COLLECTION FACILITIES COULD POSSIBLY PREY UPON BUOW CHICKS IF NESTING OCCURS.
Athene cunicularia	burrowing owl	2 ADULTS OBSERVED AT BURROW SITE. THE NESTING SITE IS ~15 M FROM AN OLD CORRAL THAT IS STILL UTILIZED BY CATTLE. BUOW HAVE BEEN OBSERVED ON THIS PROPERTY FOR 30 YEARS BY THE CURRENT GRAZING CONTRACTOR. PROPERTY IS PROTECTED IN PERPETUITY.
Athene cunicularia	burrowing owl	20 INDIVIDUALS (UNABLE TO DISTINGUISH JUVENILES FROM ADULTS) OBSERVED ON 2 JUN 2007; 4 JUVENILES AND ~16 ADULTS OBSERVED ON 29 JUN 2007.
Athene cunicularia	burrowing owl	PEARCE WAS NOTIFIED IN MAY 2007 THAT A FAMILY OF BURROWING OWLS HAD RETURNED TO NEST AT THIS LOCATION "FOR THE FOURTH YEAR." 1 ADULT WAS OBS AT THIS BURROW DURING THE STATEWIDE SURVEY ON 20 JUN 2007.
Athene cunicularia	burrowing owl	1 PAIR OBS ON 6 JUN 2007.
Athene cunicularia	burrowing owl	8 INDIVIDUALS (ADULTS AND JUVENILES) OBSERVED AT THIS SITE ON 25 JUL 2003.
Athene cunicularia	burrowing owl	2 ADULTS AND 1 JUVENILE OBSERVED OUTSIDE THE NESTING BURROWS ON 12 JUN 2006. STATEWIDE SURVEY DATA LIKELY OBTAINED FROM CNDDB.
Linderiella occidentalis	California linderiella	CALIFORNIA LINDERIELLA WERE IDENTIFIED WITHIN 83 (44%) OF THE CONSTRUCTED VERNAL POOLS & SEASONAL WETLANDS AND 4 (21%) OF THE REFERENCE VERNAL POOLS SEASONAL WETLANDS. BRANCHINECTA LYNCHI ALSO OBSERVED.
Linderiella occidentalis	California linderiella	12 MAR 1996: LINDERIELLA OBSERVED IN 30 WATERBODIES. 7 FEB 1997: 10'S TO 1000'S OBS IN 19 POOLS. 25 FEB 1997: 100'S OBS IN 2 POOLS. 19 JAN 1998: 100'S OBS IN 2 POOLS; 1000'S OBS IN 1 POOL. 27 FEB 1998: 1000'S OBS IN 11 POOLS.
Linderiella occidentalis	California linderiella	13 & 27 FEB 2001 AND 7 MAR 2001: VISUAL SURVEYS CONDUCTED. 14 & 19 MAR 2001: DIP-NETTING SURVEYS CONDUCTED.
Linderiella occidentalis	California linderiella	50+ CYSTS FOUND IN DRY SEASON SAMPLING IN BASIN #D-5.
Linderiella occidentalis	California linderiella	1996: 50+ ADULTS OBSERVED IN 6 POOLS (148, 149, 150, 151, 152 & 153), AND <50 ADULTS OBSERVED IN POOL #129.
Linderiella occidentalis	California linderiella	10'S OBS IN 1 POOL 13 FEB 1997. 10'S OBS IN ONE POOL IN THE WESTERN AREA 28 FEB 2002. OBS IN 2 OF 46 SAMPLED POOLS IN EASTERN AREA JAN & FEB 2002. OBS IN 3 OF 47 SAMPLED POOLS JAN & MAR 2003. 10'S TO 1000'S OBS IN 16 POOLS FEB & MAR 2005.
Linderiella occidentalis	California linderiella	OBSERVED LINDERIELLA IN 82 OF THE 170 POOLS SAMPLED, 81 AT THIS LOCATION, FOR AN APPROXIMATE OCCURRENCE RATE OF 48 PERCENT, WITH ABUNDANCE RANGING FROM LOW TO HIGH.
Linderiella occidentalis	California linderiella	1995: UNKNOWN NUMBER OBS. 1996: 50+ ADULTS OBS IN 28 POOLS, FEWER THAN 50 OBS IN 4 POOLS; B. LYNCHI IN SOME POOLS. 1997: 10-100 OBS IN 27 POOLS. 1998: 1000S OBS IN 13 POOLS AND 100S OBS IN 1 POOL.
Linderiella occidentalis	California linderiella	UNKNOWN NUMBER OF CYSTS FOUND DURING DRY SEASON SAMPLING IN BASINS SW-1 AT RIOLO 1 SITE, AND SW-1 AT RIOLO 2 SITE.
Linderiella occidentalis	California linderiella	1995: LINDERIELLA OBSERVED IN 8 POOLS (#10, 16, 29, 59, 65, 69, 76 & 78) BETWEEN 12/22/1994 AND 3/7/1995. 1996: LINDERIELLA OBSERVED IN 3 POOLS (#10, 16 & 29) BETWEEN 12/26/1995 AND 2/5/1996.
Linderiella occidentalis	California linderiella	1996 (THIRD MONITORING YEAR): 1/11-LOW DENSITIES OF LINDERIELLA OBSERVED IN POOL #SW4, B. LYNCHI ALSO PRESENT. 2/9-LOW DENSITIES OF LINDERIELLAS OBSERVED IN POOLS #7 AND 8.
Linderiella occidentalis	California linderiella	1995:NONE OBS. 1/30/1996: 50+ ADULTS IN 4 POOLS. 3/11/1996: 50+ ADULTS IN 2 POOLS. 1/14/97:OBS IN 12 POOLS. 1/13/98:100S IN 2 POOLS. 3/2/98:1000S IN 5 POOLS. 01/27/05:1000'S IN POOL 16, 100'S IN POOL 26. 2006:1000S IN POOL 18.
Linderiella occidentalis	California linderiella	SURVEY CONDUCTED BETWEEN 10 DEC 2003 & 26 APR 2004, "A FEW" INDIVIDUALS OBSERVED ON 12 MAR 2004.
Linderiella occidentalis	California linderiella	KOFORD OBSERVED LINDERIELLA DURING SURVEY IN SPRING OF 1992.
Linderiella occidentalis	California linderiella	POOL #C2: >50 ADULTS OBSERVED. ALSO FOUND IN POOLS 49, C1, 06, 26, E2, N2, 102, 15, & 30. THE INFORMATION PROVIDED BY THE CONSULTANT HAS CONFLICTING DATA ON LOCATION OF THIS POOL; SITE WAS MAPPED ACCORDING TO THEIR MAP, NOT THEIR T-R-S.
Linderiella occidentalis	California linderiella	1 TO APPROXIMATELY 30 CYSTS FOUND IN SOIL SAMPLES FROM EACH OF 11 BASINS IN NOV 2006.
Linderiella occidentalis	California linderiella	FOUND IN 5 OF 47 SAMPLED POOLS. BRANCHINECTA LYNCHI ALSO FOUND HERE.
Linderiella occidentalis	California linderiella	2001: 10'S OBS IN POOLS 45 AND 55. 2002: 10'S OBS IN POOLS 21, 48, 51 AND 85; 100'S OBS IN POOLS 44, 70, 74 AND 86; 1000'S OBS IN POOLS 10, 17, 28, 46, 82 AND N2. 2005: 10'S-1000'S OBS IN 13 POOLS. 2006: 10'S-100'S OBS IN 19 POOLS.
Linderiella occidentalis	California linderiella	2 CYSTS FOUND IN WF041 SAMPLES AND ABOUT 10 CYSTS FOUND IN WF048 SAMPLES TAKEN IN NOV 2006.
Linderiella occidentalis	California linderiella	1995: UNKNOWN NUMBERS OF LINDERIELLA OBSERVED IN CONSTRUCTED POOLS IN PARCELS 32 & 72. 1996: >50 ADULTS OBSERVED IN CONSTRUCTED POOLS (VP106 & VP108). 1997: 10'S OBSERVED IN HVE & VP107, 1000'S OBSERVED IN VP106.
Linderiella occidentalis	California linderiella	UNKNOWN NUMBER OF CYSTS FOUND IN DRY SEASON SAMPLING IN BASINS SW3 AND SW4.
Linderiella occidentalis	California linderiella	JAN 1997: 10S OBS IN 3 POOLS, 100S IN 3 POOLS, 1000S IN 3 POOLS. JAN & FEB 1998: 100S IN VP77, VP10 & VP7. MAR 1999: 1000S IN VP7 & VP16. FEB 2004: 100S IN POOL U15. JAN 2005: 100S IN POOL U18, 10S IN POOL U47. JAN 2006: 100S IN POOL U80.
Linderiella occidentalis	California linderiella	FOUND IN 7 POOLS DURING SURVEYS FEB-MAR 1995.
Linderiella occidentalis	California linderiella	COMPLEX OF 7 CLOSELY-SPACED VERNAL POOLS. 10'S TO 100'S OBSERVED.
Linderiella occidentalis	California linderiella	100'S OF INDIVIDUALS OBSERVED WITHIN POOL #ND ON 4 JAN 2002, AND AN UNKNOWN NUMBER WERE OBSERVED IN POOLS #N92, N108, AND NL ON 12 AND 16 FEB 2004. 10'S OBS IN POOLS ND, N82, N87 ON 21 JAN 2005.
Linderiella occidentalis	California linderiella	2 CYSTS FOUND IN SOIL SAMPLES TAKEN FROM 2 BASINS IN NOV 2006.
Linderiella occidentalis	California linderiella	UNKNOWN # OBS 7 MAR 2001. 1000'S OBS 28 FEB 2002 IN POOL C. FOUND IN POOLS 2, 3, 5, & 7 IN JAN 2003. 1000'S OBS. 17 FEB 2004 IN POOL #5. 7 JAN 2005: 1000'S IN POOLS SWB, SWC, SWE; 100'S IN POOL SWF. JAN 2006: 10S-1000S IN 7 POOLS.
Linderiella occidentalis	California linderiella	VERNAL POOLS #141, #214, & #215: FAIRY SHRIMP FOUND ON 2/9/95 BUT NOT ON 3/1 OR 3/15/95. COPEPODS, OSTRACODS, FLATWORMS, INSECT LARVAE, BEETLES, CLAM SHRIMP & TADPOLES ALSO FOUND.
Linderiella occidentalis	California linderiella	10'S TO 100'S IN EACH POOL.
Linderiella occidentalis	California linderiella	LINDERIELLA OCCIDENTALIS OBSERVED IN CONSTRUCTED VERNAL POOLS SOMETIME BETWEEN 6 FEB AND 2 MAR 1995.
Linderiella occidentalis	California linderiella	10 CYSTS FOUND IN WF066 SAMPLES AND 10 IN WF106 SAMPLES TAKEN IN NOV 2006.
Linderiella occidentalis	California linderiella	1 CYST FOUND IN WF094 SAMPLES AND 5 CYSTS FROM OW127 SAMPLES TAKEN NOV 2006.
Linderiella occidentalis	California linderiella	COLLECTED HERE BY ERIKSEN ON 9 JAN 1988; IN ERIKSEN COLLECTIONS #A2-152 (DATABASE RECORD 289).
Linderiella occidentalis	California linderiella	OBSERVED LINDERIELLA THIS POOL WAS RATED HIGH IN ABUNDANCE.
Linderiella occidentalis	California linderiella	10'S OBSERVED IN POOL E16 ON 20 FEB 2001.
Linderiella occidentalis	California linderiella	100'S OBSERVED IN POOL WRR ON 21 JAN 2005.
Linderiella occidentalis	California linderiella	500+ ADULTS OBSERVED ON 30 JAN 2005.
Linderiella occidentalis	California linderiella	8 CYSTS FOUND IN SAMPLES TAKEN FROM WF080 IN NOV 2006.
Linderiella occidentalis	California linderiella	3 CYSTS FOUND IN WF037 FROM SAMPLES TAKEN IN NOV 2006.
Linderiella occidentalis	California linderiella	1 CYST FOUND IN DRY-SEASON SAMPLES TAKEN NOV 2006.
Linderiella occidentalis	California linderiella	NUMBERS FOUND NOT GIVEN FOR THIS POOL.
Linderiella occidentalis	California linderiella	>50 ADULTS OBSERVED OF LINDERIELLA OCCIDENTALIS AND LEPIDURUS PACKARDI.
Linderiella occidentalis	California linderiella	POOLS #95A, 95B: GRASS BOTTOM TYPE POOL, SPECIES OBSERVED ON 2/9/1995, NO STANDING WATER PRESENT ON 3/1/1995.
Linderiella occidentalis	California linderiella	>200 ADULTS OBSERVED; 1 COLLECTED FOR PERSONAL COLLECTION.
Linderiella occidentalis	California linderiella	>500 ADULTS OBSERVED, 1 COLLECTED FOR PERSONAL COLLECTION.
Linderiella occidentalis	California linderiella	>500 ADULTS AND JUVENILES OBSERVED; 1 ADULT COLLECTED FOR PERSONAL COLLECTION; THIS POOL HAD MOST DIVERSE COMPOSITION OF ALL POOLS SURVEYED ALONG EAST LEVEE ROAD; RARE PLANT DOWNING PUSILLA OBSERVED.
Linderiella occidentalis	California linderiella	>500 ADULTS AND JUVENILES OBSERVED; 1 ADULT COLLECTED FOR PERSONAL COLLECTION; AGE STRUCTURE 90% ADULTS AND 10% JUVENILES.
Linderiella occidentalis	California linderiella	KOFORD OBSERVED LINDERIELLAS DURING SURVEY IN SPRING OF 1992; BRANCHINECTA LYNCHI ALSO OBSERVED.
Linderiella occidentalis	California linderiella	POOL #59: MUD BOTTOM POOL. ESTIMATED LENGTH WAS 40 FEET, WIDTH WAS 20 FEET, DEPTH WAS 24 INCHES. SPECIES OBSERVED ON 2/9/1995, BUT NOT 3/1 OR 3/15/95. COPEPODS, OSTRACODS AND FLATWORMS ALSO PRESENT.
Linderiella occidentalis	California linderiella	POOL #205: ALGAE BOTTOM. POOL ESTIMATED TO BE 200 FT LONG, 50 FT WIDE & 8 INCHES DEEP. SPECIES OBSERVED ON 2/9, 3/1 & 3/15/95. BEETLES, OSTRACODS, FLATWORMS, INSECT LARVAE & SNAILS ALSO FOUND HERE.
Linderiella occidentalis	California linderiella	POOL #SW-4: LINDERIELLA OBSERVED IN 1995 (1/13, 1/27 & 2/9) AND 1996 (2/7, 2/21 & 3/6); SEVERAL GENERATIONS OF SHRIMP OBSERVED, WITH LACK OF ADULTS IN LAST GENERATION, POSSIBLY DUE TO PREDATION FROM HYLA TADPOLES.
Linderiella occidentalis	California linderiella	POOL M025: LINDERIELLA OBSERVED ON 2/10 & 3/2/95, BUT NOT ON 3/16. TOAD TADPOLES OBSERVED ON 3/2; POOL M148: LINDERIELLA OBSERVED ON 2/10, 3/2, & 3/16/95. POOL M157: LINDERIELLA OBSERVED 2/10 BUT NOT 3/2 OR 3/16/95.
Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AVG RUN 1400-2400 FROM 1980-89 (HATCHERY ORIGIN). SCREW TRAPS CAUGHT 1846 LIVE/21 DEAD JUVS IN 2005; 707 LIVE/1 DEAD IN 2006. 127 ADULTS OBSERVED IN REDD SURVEYS, 3 ADS IN SNORKEL SURVEYS, 61 JUVS IN SEINING, & 41 IN VIDEO WEIR IN 2015.
Branchinecta conservatio	Conservancy fairy shrimp	ONE ADULT MALE OBSERVED 6 MAR 2007. DETECTED IN 1 OF 37 BASINS SAMPLED 12 MAR 2012.
Downingia pusilla	dwarf downingia	147 PLANTS OBSERVED IN 1990.
Downingia pusilla	dwarf downingia	100 PLANTS OBSERVED IN 1991. LOCATION OF SITE MAKES IT EASY TO AVOID DURING DEVELOPMENT. HOWEVER, RELEASE FROM GRAZING MAY ALLOW OTHER SEASONAL WETLAND PLANTS TO DOMINATE, THEREBY MAKING SITE UNSUITABLE FOR DOWNINGIA PUSILLA.
Downingia pusilla	dwarf downingia	MORE THAN 30 PLANTS OBSERVED IN 1985.
Downingia pusilla	dwarf downingia	1000-1500 PLANTS IN 1987. THIS AREA WAS GRADED WHEN VISITED IN 1997. SITE IS NOW LOCATED SOUTH OF ROSEVILLE PARKWAY AT DIAMOND OAKS ROAD.
Downingia pusilla	dwarf downingia	UNKNOWN NUMBER OF PLANTS OBSERVED IN FIVE POOLS IN 2000. FEWER THAN 10 PLANTS OBSERVED IN 2002 AT TWO NEW LOCATIONS. INCLUDES FORMER OCCURRENCE #102.

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SNAME	CNAME	GENERAL
Downingia pusilla	dwarf downingia	MORE THAN 1000 PLANTS OBSERVED IN 1989. 237 PLANTS OBSERVED IN 1990. SITE HAS MANY LARGE POOLS, SWALES AND VERNAL FLATS. SAN JOAQUIN SERIES AND MUDFLOW POOLS BOTH PRESENT. AREA SHOULD BE EVALUATED FOR REGIONAL POOL PRESERVE.
Downingia pusilla	dwarf downingia	200-400 PLANTS SEEN IN 1989, 36 PLANTS SEEN IN 1990. AREA SUPPORTED A LARGE CONCENTRATION OF POOLS, MOSTLY ON SAN JOAQUIN SERIES SOILS. 2010 AERIAL PHOTOS SHOW DEVELOPMENT THROUGHOUT MAPPED OCCURRENCE; POPULATION IS PRESUMED EXTIRPATED.
Downingia pusilla	dwarf downingia	UNKNOWN NUMBER OF PLANTS OBSERVED IN FIVE POOLS IN 2000.
Downingia pusilla	dwarf downingia	UNKNOWN NUMBER OF PLANTS OBSERVED IN FOUR POOLS IN 2000.
Downingia pusilla	dwarf downingia	WESTERN POLYGON: 7000+ PLANTS IN THREE VERNAL POOLS IN 1987, SITE WAS GRADED WHEN VISITED IN 1997. SEEN IN TWO EASTERN POLYGONS IN 2013.
Downingia pusilla	dwarf downingia	FEWER THAN 100 PLANTS OBSERVED IN 2002 IN TWO POOLS, LIKELY TO OCCUR IN OTHER ADJACENT POOLS AS WELL. WITHIN CONSERVATION BANK.
Downingia pusilla	dwarf downingia	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1993 AND 1995.
Downingia pusilla	dwarf downingia	200 PLANTS OBSERVED IN 2006.
Downingia pusilla	dwarf downingia	50 PLANTS OBSERVED IN 1993. POTENTIAL DISTURBANCE TO SITE IF LANDOWNER SELLS TOPSOIL AND LEVELS THE AREA FOR AGRICULTURE AS NEIGHBORING LANDOWNERS HAVE ALREADY DONE. HABITAT INTACT IN 1997, BUT NO PLANTS SEEN (SURVEY WAS TOO LATE).
Downingia pusilla	dwarf downingia	OVER 150 PLANTS IN 1993. OWNER HAS INDICATED THAT HE PLANS TO LEVEL THE SITE AND SELL SURFACE MATERIAL TO SAC METRO AIRPORT FOR ONGOING DEVELOPMENT. CA LINDERIELLA ALSO HERE. NO PLANTS SEEN IN 1997 (SURVEYED LATE), BUT HABITAT WAS INTACT.
Downingia pusilla	dwarf downingia	100+ PLANTS OBSERVED IN 1994. SITE IS NEAR A MICROWAVE TOWER AND A DIRT PARKING AREA. PLANNED ACCESS ROADS NEARBY WILL AVOID THE SITE. MAPPED AS SAME SITE AS 1951 COLLECTION BY CARTER FROM KEITHLY RANCH, RIO LINDA.
Downingia pusilla	dwarf downingia	50 PLANTS OBSERVED IN 1991. SITE EXTIRPATED, CONVERTED TO A SUBDIVISION BY 1997. FORMER POPULATION SITE IS NOW NEAR THE EAST END OF RUSHING RIVER COURT OFF OF CHERRY BROOK DRIVE.
Downingia pusilla	dwarf downingia	THIS IS A FAIRLY GOOD SITE WITH MORE THAN 50 POOLS AND ASSOCIATED SWALES. SOME POOLS HAVE FORMED BEHIND OLD ROCK WALLS THAT TRAVERSE THE SITE; THESE TEND TO BE LARGER AND DEEPER THAN TYPICAL FOR MEHRTEN FORMATION POOLS.
Downingia pusilla	dwarf downingia	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2000. 2010 AERIAL PHOTO SHOWS DEVELOPMENT AT SOUTHERN POOL; SOUTHERN COLONY IS PROBABLY EXTIRPATED.
Downingia pusilla	dwarf downingia	SEVERAL THOUSAND PLANTS OBSERVED IN 2006.
Downingia pusilla	dwarf downingia	2010 POPULATION NUMBERS FOR POLYGONS FROM NORTH TO SOUTH: 1000, 50, AND 500+ PLANTS SEEN IN 2010. 100-500 PLANTS SEEN IN MIDDLE POLYGON IN 2013.
Downingia pusilla	dwarf downingia	UNKNOWN NUMBER OF PLANTS OBSERVED IN SINGLE POOL IN 2000.
Downingia pusilla	dwarf downingia	14,000 PLANTS OBSERVED IN 2013. FEWER THAN 100 PLANTS OBSERVED IN 2014; POPULATION DECLINE PRESUMABLY DUE TO THE UNUSUALLY DRY OVERALL SEASONAL CONDITIONS.
Downingia pusilla	dwarf downingia	ONE PLANT OBSERVED IN 2006.
Downingia pusilla	dwarf downingia	APPROXIMATELY 100 PLANTS OBSERVED IN 2006.
Downingia pusilla	dwarf downingia	FEWER THAN 10 PLANTS OBSERVED IN 2010.
Thamnophis gigas	giant gartersnake	DETECTED 1986-87 & 1990. 40-164 CAPTURED 1998-2000, 11-57 IN 2001-03, UP TO 26 IN 2004, 49-68 IN 2005-06, 52-85 IN 2007-10, 87-92 IN 2011-13, 109 IN 2014. 59 CAP/12 RECAP/2 SEEN/1 MORTALITY IN 2015. 113 CAP/71 RECAP/5 SEEN IN 2016.
Thamnophis gigas	giant gartersnake	1990: 2 OBSERVED. 2001-04: 16-45 CAPTURED/OBS YEARLY. 2005-08: 53-75 CAPTURED/OBS YEARLY. 2009-12: 33-48 CAPTURED YEARLY. 2013: 39 CAPTURED/OBS. 2014: 32 CAPTURED/OBS. 2015: 15 CAPTURED, 15 RECAPTURED. 2016: 56 CAPTURED, 42 RECAPTURED.
Thamnophis gigas	giant gartersnake	DETECTED IN 1976, 1986-87, 1992-93, & 1996. 1998: 16 DETECTED. 1999: 1 DETECTED. 2004-2014: 1 TO 41 DETECTED EACH YEAR. 2015: ONLY 1 CAUGHT FROM 16 TRAPLINES SET IN AREA. 2016: 2 CAPTURES & 2 RECAPTURES.
Thamnophis gigas	giant gartersnake	OBSERVED IN 1976, 1986-87, 1989, & 1991. 17 OBS/CAPTURED BETWEEN 1 JUN-4 AUG 1998. 6 BETWEEN 10 MAY-10 JUN 1999. 2 BTWN 21 JUN-25 JUL 2000. 1 CAPTURED ON 9 SEP 2002. 6 BTWN 22 MAY-12 AUG 2003. 1 CAP ON 28 MAY 2006.
Thamnophis gigas	giant gartersnake	2-19 CAPTURED IN 2000-03. 1 SUBADULT OBSERVED 14 AUG 2004. 4-29 CAPTURED IN 2004-07.13-25 CAPTURED IN 2008-2010. 2 CAPTURED IN 2011. 3 CAPTURED IN 2012. 2 CAPTURED IN 2013. 2 CAPTURED IN 2014. 3 CAUGHT IN 2015. 2 CAPTURED IN NOV 2016.
Thamnophis gigas	giant gartersnake	2-25 CAPTURED/OBSERVED DURING SURVEYS IN 2000-03. 12-36 CAPTURED/OBSERVED IN 2004-08. 10-25 CAPTURED/OBSERVED IN 2009-11. 13 CAPTURED IN 2012. 16 IN 2013. 16 IN 2014. 20 CAPTURED, 6 RECAPTURED IN 2015. 39 CAPTURED, 16 RECAPTURED IN 2016.
Thamnophis gigas	giant gartersnake	7-25 SNAKES CAPTURED/OBSERVED IN 1999-2000. 4 DETECTED/OBSERVED BETWEEN 12 JUN-8 AUG 2003. 2 CAPTURED BETWEEN 6 & 15 JUL 2005. 4 CAPTURED BETWEEN 22 JUN-4 JUL 2006.
Thamnophis gigas	giant gartersnake	15-34 CAPTURED EACH YEAR IN 2005-2007; 4 RECAPTURED IN BOTH 2005 & 2006. 10-35 CAPTURED IN 2008-2010. 3 CAPTURED IN 2011. 3 IN 2012. 2 IN 2013. 1 IN 2014. 1 CAUGHT & RECAPTURED TWICE IN 2015. 1 CAUGHT 22 AUG 2016.
Thamnophis gigas	giant gartersnake	8 ADULTS AND 6 JUVENILES OBSERVED ON 20 MAY 2001. 10 CAPTURED/OBSERVED 2 MAY & 1 CAP ON 22 AUG 2002. 1 FEMALE CAPTURED ON 27 JUL 2011. CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, PHOTOGRAPHED, AND RELEASED.
Thamnophis gigas	giant gartersnake	3 LIVE COLL IN 1983; CAL POLY POMONA. 7 COLL ON 26 MAY 1986, CAS #178596 & LSU #44363-7. DETECTED 1986-87. 1 FOUND DEAD ON ROAD ON 22 MAY 1988; DEPOSITED W/ CDFW. 1 FEMALE CAPTURED ON 28 APR 1998; TAGGED/RELEASED. 1 OBSERVED ON 1 AUG 2000.
Thamnophis gigas	giant gartersnake	UNKNOWN NUMBER OF SNAKE SOBSERVED DURING 1989.
Thamnophis gigas	giant gartersnake	1 COLLECTED ON 1 AUG 1980 BY G. HANSEN (CAS# 178587, DFGHM# 75). 1 ADULT AND 2 JUVENILES OBSERVED ON 25 JUN 1986 BASKING BETWEEN IN CRACKS BETWEEN PIECES OF CONCRETE RIPRAP AT CULVERT IN SW CORNER OF INTERSECTION.
Thamnophis gigas	giant gartersnake	SNAKE OBSERVED DURING 1986-87 STUDY.
Thamnophis gigas	giant gartersnake	ONE ADULT OBSERVED. LARGE COLONY (100+) OF NIGHT HERONS IN NEARBY WILLOW THICKET.
Thamnophis gigas	giant gartersnake	ONE JUVENILE OBSERVED.
Thamnophis gigas	giant gartersnake	2 FEMALES FOUND IN DEPRESSION BY PUMP AT S END OF CANAL. ONE RELEASED AT PRICHARD LAKE, THE SECOND DIED.
Thamnophis gigas	giant gartersnake	SNAKE OBSERVED DURING 1986-87 STUDY.
Thamnophis gigas	giant gartersnake	ONE JUVENILE FOUND DEAD ON BAYOU WAY BESIDE CANAL - SPECIMEN HOUSED AT DFG.
Thamnophis gigas	giant gartersnake	3 ADULTS OBSERVED ON 6 APRIL 1986. UNKNOWN NUMBER OBSERVED DURING 1988.
Thamnophis gigas	giant gartersnake	ONE ADULT OBSERVED.
Thamnophis gigas	giant gartersnake	SNAKE OBSERVED DURING THE 1986-87 STUDY.
Thamnophis gigas	giant gartersnake	SNAKE OBSERVED AT SITE DURING THE 1986-87 STUDY.
Thamnophis gigas	giant gartersnake	SNAKE OBSERVED DURING 1986-87 STUDY.
Thamnophis gigas	giant gartersnake	1 ADULT & 1 JUV OBSERVED 30 APR 1986. 2009 AERIAL PHOTOS SHOW THAT THIS AREA HAS BEEN COMPLETELY DEVELOPED.
Thamnophis gigas	giant gartersnake	ONE JUVENILE OBSERVED 30 APR 1986. 2009 AERIAL PHOTOS SHOW THAT THIS AREA HAS BEEN COMPLETELY DEVELOPED.
Thamnophis gigas	giant gartersnake	3-15 CAPTURED EACH YEAR IN JUN-AUG OF 2005-2007. 3-24 CAPTURED IN MAY-SEP 2008-2010. 1 IN JUL 2011. 2 IN SEP 2012. 4 IN SEP 2014. 1 CAUGHT ON 17 JUL 2015. 0 CAPTURED DURING TRAPLINE SURVEYS FROM 11 APR-27 SEP 2016.
Thamnophis gigas	giant gartersnake	10+ OBSERVED ON 28 APR 1986. ANECDOTALLY REPORTED IN 1988. 2 OBSERVED JUL-SEP 2002. 1 CAPTURED TWICE AUG-SEP 2003. 1 CAPTURED ON 7 SEP 2008. 5 CAP MAY-AUG 2009. 1 CAP & 1 DOR MAY 2010. 2 JUVENILES OBS JUN-SEP 2011. 1 CAP ON 22 MAY 2012.
Thamnophis gigas	giant gartersnake	12-40 DETECTED IN 2001-2003. 5-36 DETECTED IN 2004-2006. 13-85 DETECTED IN 2007-2009. 80 DETECTED JUN-SEP 2010. 14 DETECTED JUL-SEP 2011. 12 DETECTED JUN-JUL 2012. SEVERAL SNAKES MAY HAVE BEEN RECAPTURED DURING THE SAME SURVEY YEAR.
Thamnophis gigas	giant gartersnake	1 MALES OBSERVED AUG 2001. 14-28 SNAKES CAPTURED/OBSERVED IN 2003-2005. 16 FEMALES, 11 MALES, & 1 OF UNKNOWN SEX CAPTURED/OBSERVED BETWEEN 25 JUL-15 SEP 2011. 7 FEMALES & 5 MALES CAPTURED BETWEEN 11 JUN-8 JUL 2012. SOME LIKELY RECAPTURED.
Thamnophis gigas	giant gartersnake	UNKNOWN NUMBER OF SNAKES DETECTED IN 1976. ANECDOTALLY OBSERVED DURING 1991. 6 CAPTURED AND RELEASED BETWEEN 23 JUL-19 AUG 1999; 2 WERE RECAPTURED DURING SURVEY. 1 FEMALE OBSERVED ON 3 MAY 2006. ADULT MALE FOUND DEAD ON ROAD ON 7 JUL 2008.
Thamnophis gigas	giant gartersnake	17 FEMALES, 14 MALES, AND 12 UNKNOWN SEX CAPTURED BETWEEN 26 JUN-17 AUG 1999; SEVERAL SNAKES WERE RECAPTURED MORE THAN ONCE. 2 MALES AND 1 FEMALE CAPTURED BETWEEN 28 JUN-30 JUL 2000; FEMALE WAS RECAPTURED ONCE.
Thamnophis gigas	giant gartersnake	1 CAPTURED IN JUN 2003. 5 CAPTURED, 2006. 1 ON 1 JUL 2009. 2 IN JUL 2010. 1 OBSERVED 13 JUL 2010. 1 CAPTURED ON 8 AUG 2012. 1 ON 26 AUG 2014. 1 CAUGHT & 1 MORTALITY DOCUMENTED IN JUL 2015. 0 CAPTURED DURING SURVEYS FROM 11 APR-27 SEP 2016.
Thamnophis gigas	giant gartersnake	DETECTED IN 1976. 1 DEAD ON ROAD (DOR) IN 1986. 1 OBSERVED IN 1990. 2 OBSERVED IN 1992. 1 OBSERVED IN 1999. 1 FEMALE CAPTURED ON 28 JUL & SEPARATE FEMALE CAPTURED ON 29 JUL 2003. 1 OBSERVED ON 20 SEP 2006. 1 FEMALE FOUND DOR ON 19 MAY 2007.
Thamnophis gigas	giant gartersnake	1-7 SNAKES DETECTED BETWEEN 2001-2003. 8-15 CAPTURED/OBSERVED BETWEEN 2004-2005. 15 CAP JUN-AUG 2009. 20 CAP BTWN JUL-SEP 2010. 1 OBS AUG 2011. 3 CAP & 1 OBS JUN-JUL 2012.
Thamnophis gigas	giant gartersnake	10+ ADULTS OBS APR 1986 IN E-W RUNNING CANAL. 1994,1996: UNK # OBS. BOTH CANALS: 3 FEMALES, 4 MALES CAPTURED BY HAND OR NET ON DRY LAND 15 MAY-3 JUN 1998. 1 SNAKE SIGHTED 17 JUN 1999. CAPTURED SNAKES WEIGHED, MEASURED, PIT TAGGED, RELEASED.
Thamnophis gigas	giant gartersnake	1-9 CAPTURED EACH YEAR DURING APR-AUG OF 2003-2005. 2-3 CAPTURED IN MAY-AUG OF 2006-2007. 1 FEMALE & 1 MALE FOUND DEAD ON ROAD MAY-JUL 2009. 1 FEMALE CAPTURED ON 3 JUL 2011. 0 CAPTURED DURING TRAPLINE SURVEYS FROM 11 APR-27 SEP 2016.
Thamnophis gigas	giant gartersnake	1 MALE OBSERVED SEP 2005. 5 CAPTURED AUG 2007. 3 CAPTURED/OBSERVED MAY-AUG 2008. 3 CAPTURED AUG 2009. 4 CAPTURED JUL-SEP 2010. SEVERAL SNAKES WERE RECAPTURED DURING YEARLY SURVEYS.
Thamnophis gigas	giant gartersnake	ONE FOUND DEAD ON ROAD (POOR CONDITION, NOT PRESERVED) ON 15 APR 1986. 1 SUBADULT OBSERVED ON 3 MAR 2007. 1 YOUNG ADULT MALE FOUND DOR ON 15 JUN 2008. 1 ADULT FEMALE FOUND DOR ON 8 AUG 2008. 1 ADULT OBS "RUN OVER ON ROAD" ON 17 SEP 2010.
Thamnophis gigas	giant gartersnake	2 CAPTURED IN AUG 2003. 4-8 CAPTURED YEARLY DURING MAY-AUG OF 2005-07. 1-7 CAPTURED/OBSERVED IN MAY-AUG OF 2008-10. 1 CAPTURED ON 22 AUG 2014. 1 CAPTURED ON 29 JUL 2015. 0 CAPTURED DURING TRAPLINE SURVEYS FROM 11 APR-27 SEP 2016.
Thamnophis gigas	giant gartersnake	3 FEMALES AND 2 UNKNOWN SNAKES OBSERVED OR CAPTURED BETWEEN 7 AUG 1998 AND 4 OCT 1999. THE 3 FEMALE SNAKES WERE RECAPTURES THAT HAD BEEN PIT TAGGED.
Thamnophis gigas	giant gartersnake	7-12 SNAKES CAPTURED/OBSERVED IN 2002-2003. 8-12 CAPTURED IN 2004-2005. 4 FEMALES, 3 MALES, & 1 UNK SEX CAPTURED/OBS AUG-SEP 2011. 1 FEMALE CAPTURED ON 16 JUN 2012. SOME SNAKES LIKELY RECAPTURED WITHIN THE SAME SURVEY YEAR.
Thamnophis gigas	giant gartersnake	1 ADULT SNAKE OBSERVED ON 4 AUG 1986; EXACT LOCATION UNKNOWN. 1 FEMALE CAPTURED ON 1 JUL, 1 MALE AND 1 FEMALE CAPTURED ON 11 JUL, & 1 FEMALE CAPTURED ON 14 JUL 1999. 0 CAPTURED BETWEEN 21 JUL-6 AUG 2003. 2 FEMALES CAPTURED ON 1 SEP 2006.
Thamnophis gigas	giant gartersnake	1 FEMALE CAPTURED ON 31 JUL 2001. NONE CAPTURED/DETECTED DURING 2003 TRAP SURVEYS. 1 ADULT FEMALE FOUND DEAD (TANGLED IN MONOFILIMENT NETTING) AND 1 MALE OBSERVED ON 23 OCT 2006. 1 FEMALE AND 1 SNAKE OF UNKNOWN SEX CAPTURED ON 23 JUN 2010.
Thamnophis gigas	giant gartersnake	0 CAPTURED DURING SURVEYS CONDUCTED BETWEEN 12-26 JUN 2003; "CONSISTENT WITH 2002 FINDINGS." 2 MALES CAPTURED ON 22 JUN 2005. 1 MALE CAPTURED ON 18 AUG & RECAPTURED ON 20 & 22 AUG 2005. 1 FEMALE CAPTURED ON 25 MAY 2006 (EASTERN FEATURE).
Thamnophis gigas	giant gartersnake	4 FEMALES, 3 MALES, AND 4 OF UNKNOWN SEX CAPTURED BETWEEN 4-25 AUG 1999; 2 SNAKES CAPTURED TWICE DURING SURVEYS. 1 FEMALE CAPTURED ON 25 JUN AND 1 MALE CAPTURED ON 9 JUL 2003.
Thamnophis gigas	giant gartersnake	1 FEMALE CAPTURED ON 3 JUN & 1 MALE CAPTURED ON 5 JUN 2005. 2 MALES & 1 FEMALE CAPTURED ON 30 MAY-8 AUG 2009. 0 CAPTURED DURING TRAPLINE SURVEYS FROM 11 APR-27 SEP 2016. SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, PHOTOGRAPHED AND RELEASED.
Thamnophis gigas	giant gartersnake	1 COLLECTED ON 1 SEP 1980. 1 ADULT OBSERVED 30 APR 1986. 1 SNAKE SIGHTED AND 1 FEMALE CAPTURED BY HAND OR NET ON DRY LAND ON 26 JUN 1998; CAPTURED SNAKE WAS WEIGHED, MEASURED, PIT TAGGED AND RELEASED.
Thamnophis gigas	giant gartersnake	ONE ADULT CAPTURED ON EACH OF THE FOLLOWING DATES: 3 AUG 2001, 1 SEP 2001, 3 SEP 2001 AND 12 SEP 2001. 7 CAPTURED, PIT-TAGGED AND RELEASED BETWEEN 23 JUL & 19 AUG 2002. 1 CAPTURED 29 JUN 2004. 1 CAPTURED 14 JUL 2004.
Thamnophis gigas	giant gartersnake	ONE LARGE ADULT FEMALE CAUGHT IN A TRAP, PIT-TAGGED, AND RELEASED 10 AUG 2002.
Thamnophis gigas	giant gartersnake	7 ADULTS AND 2 JUVENILES CAPTURED IN TRAPS 10 JUL - 22 SEP 2002.
Thamnophis gigas	giant gartersnake	1 FEMALE FOUND DEAD ON ROAD ON 28 APR 2007. 1 OBSERVED BASKING ON ROAD ON 6 MAY 2010. 1 MALE SNAKE WAS FOUND DEAD ON ROAD ON 29 MAY 2010; SNAKE WAS WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, AND RELEASED.
Thamnophis gigas	giant gartersnake	2 FEMALES CAPTURED, WEIGHED, MEASURED & RELEASED ON 6 AUG 2003. ONE SNAKE WAS PIT TAGGED AND THE OTHER WAS A RECAPTURE OF A PIT TAGGED SNAKE INITIALLY FOUND ABOUT 1.8 MILES NW WITHIN SAME CANAL ON 29 JUL 2003.
Thamnophis gigas	giant gartersnake	1 FEMALE SNAKE AND 1 SNAKE OF UNKNOWN SEX DETECTED ON 21 JUN 2010. FEMALE WAS A YOUNG ADULT THAT WAS CAPTURED, WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTES MARKED, PHOTOGRAPHED AND RELEASE. OTHER SNAKE OBSERVED BASKING AND NOT CAPTURED.
Thamnophis gigas	giant gartersnake	1 FEMALE CAPTURED ON 21 AUG AND 1 FEMALE CAPTURED ON 28 AUG 2011. 1 MALE AND 1 SNAKE OF UNKNOWN SEX CAPTURED/OBSERVED ON 8 SEP 2011. 1 OBSERVED ON 9 SEP 2011. 2 MALES AND 1 SNAKE OF UNKNOWN SEX CAPTURED/OBSERVED BETWEEN 13 JUN-7 JUL 2012.
Thamnophis gigas	giant gartersnake	1 SEMI-ADULT MALE FOUND DEAD ON ROAD (800 M S OF COUNTY LINE) 31 MAR 2003. 1 YOUNG ADULT FEMALE FOUND DEAD ON ROAD (700 M S OF COUNY LINE), 4 JUL 2008.
Thamnophis gigas	giant gartersnake	1 FEMALE (SVL = 975) CAPTURED ON 10 JUL 2003. SNAKE WAS WEIGHED, MEASURED, PIT-TAGGED & RELEASED. 3 FEMALES AND 2 MALES OBSERVED IN JUL 2005.
Thamnophis gigas	giant gartersnake	1 FEMALE CAPTURED ON 4 JUL AND 1 FEMALE CAPTURED ON 13 JUL 2012; CAPTURED SNAKES WERE WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, AND RELEASED.
Thamnophis gigas	giant gartersnake	1 ADULT FOUND FRESHLY RUN OVER BY A VEHICLE ON 15 APR 1986 - DEPOSITED WITH CDFG. OBSERVED, 1996. 1 JUVENILE FOUND MORTALLY INJURED BY SIDE OF ROAD ON 15 MAR 2017.
Thamnophis gigas	giant gartersnake	1 MALE CAPTURED WITH A TRAP OR BY HAND AND RELEASED ON 10 JUL 2003.
Thamnophis gigas	giant gartersnake	1 INDIVIDUAL (3 FEET IN LENGTH) WAS FOUND DOR ON ELKHORN ROAD ON 27 SEPTEMBER 1996.
Thamnophis gigas	giant gartersnake	1 MALE SNAKE CAPTURED BY HAND OR NET ON DRY LAND ON 18 MAY 1998. SNAKE WAS WEIGHED, MEASURED, PIT TAGGED AND RELEASED.
Thamnophis gigas	giant gartersnake	ONE FEMALE CAPTURED IN A FLOATING FUNNEL TRAP ON 27 AUG 1999. SNAKE WAS WEIGHED, MEASURED, PIT TAGGED AND RELEASED.
Thamnophis gigas	giant gartersnake	ONE FEMALE SNAKE CAPTURED BY HAND OR NET ON DRY LAND ON 30 APR 1998. SNAKE WAS WEIGHED, MEASURED, PIT TAGGED AND RELEASED.
Thamnophis gigas	giant gartersnake	1 ADULT SNAKE FOUND DEAD ON ROAD, 29 APR 2006.
Thamnophis gigas	giant gartersnake	1 SNAKE OBSERVED ON 29 JULY 2008.
Thamnophis gigas	giant gartersnake	ONE SNAKE OBSERVED ON 2 JUN 1998. 0 CAPTURED DURING SURVEYS CONDUCTED BETWEEN 26 JUN-24 JUL 2003; "CONSISTENT WITH 2002 FINDINGS."
Thamnophis gigas	giant gartersnake	1 ADULT FEMALE CAPTURED ON 6 SEP 2003. 1 MALE CAPTURED ON 8 JUL 2004.
Thamnophis gigas	giant gartersnake	1 MALE SNAKE FOUND DEAD ON ROAD ON 29 SEP 2010.
Thamnophis gigas	giant gartersnake	1 FEMALE CAPTURED ON 10 SEP 2011; SNAKE WAS WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, AND RELEASED.
Thamnophis gigas	giant gartersnake	1 FEMALE CAPTURED ON 26 JUL 2011; WEIGHED, MEASURED, PIT TAGGED, VENTRAL SCUTE MARKED, PHOTOGRAPHED, AND RELEASED.
Thamnophis gigas	giant gartersnake	1 MALE CAPTURED, PIT-TAGGED AND RELEASED 20 SEP 2001.
Thamnophis gigas	giant gartersnake	1 MALE OBSERVED ON 9 OCT 2005.
Thamnophis gigas	giant gartersnake	1 FEMALE CAPTURED, WEIGHED (523 G), MEASURED (987 MM SVL), PIT TAGGED AND RELEASED ON 8 JUL 1998.
Thamnophis gigas	giant gartersnake	ONE ADULT OBSERVED BASKING. THIS CANAL IS PROBABLY IMPORTANT AS A CONNECTING CORRIDOR BETWEEN EASTERN AND WESTERN AMERICAN BASIN GIANT GARTER SNAKE COLONIES.
Thamnophis gigas	giant gartersnake	1 ADULT OBSERVED ON 22 MAY 1988 WHERE THE DIRT ROAD CROSSES THE CANAL. UNKNOWN NUMBER OBSERVED DURING 1992. THIS CANAL IS PROBABLY IMPORTANT AS A CONNECTING CORRIDOR BETWEEN EASTERN & WESTERN AMERICAN BASIN GIANT GARTER SNAKE POPULATIONS.
Thamnophis gigas	giant gartersnake	SNAKE WAS APPROXIMATELY 0.75 METERS LONG; OBSERVED BASKING ALONG THE EDGE OF THE CANAL. MANY GROUND SQUIRREL BURROWS AND CRACKS PROVIDE POTENTIAL HIBERNACULA.
Ammodramus savannarum	grasshopper sparrow	1 ADULT OBSERVED ON 8 MAY 1998; LIKELY BREEDING AREA.

SNAME	CNAME	GENERAL
Ardea herodias	great blue heron	NESTING OBSERVED IN A SINGLE OAK TREE IN MAR 1988. 8 OCCUPIED NESTS OBSERVED ON 11 APR 2001. 18 OCCUPIED NESTS OBSERVED ON 4 APR 2002.
Ardea herodias	great blue heron	2 OCCUPIED NESTS OBSERVED ON 11 APR 2001. IN 2002, HERONS DID NOT OCCUPY THIS TREE, POSSIBLY DUE TO THE PRESENCE OF A NESTING PAIR OF RED-TAILED HAWKS.
Ardea herodias	great blue heron	2 NESTS OBSERVED IN APR 2001. 3 OCCUPIED NESTS OBSERVED ON 4 APR 2002.
Ardea alba	great egret	SNOWY EGRETS AND BLACK-CROWNED NIGHT HERONS ALSO BREED AT THIS LOCATION.
Ardea alba	great egret	NESTING OBSERVED IN A SINGLE OAK TREE IN MAR 1988. 15 OCCUPIED NESTS OBSERVED ON 11 APR 2001. 34 OCCUPIED NESTS OBSERVED ON 4 APR 2002.
Ardea alba	great egret	10 OCCUPIED NESTS OBSERVED ON 11 APR 2001. IN 2002, EGRETS DID NOT OCCUPY THIS TREE, POSSIBLY DUE TO THE PRESENCE OF A NESTING PAIR OF RED-TAILED HAWKS.
Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	OVER 10,000 PLANTS SEEN IN 1982, 2000-5000 SEEN IN 1989, AND ~2500 IN 1991. ACCORDING TO DAINS, DECLINE IN POP PROBABLY DUE TO WEATHER, NOT MANAGEMENT. SITE FENCED, HABITAT LOOKED GOOD IN LATE SEASON (JUNE) 1997 WINDSHIELD SURVEY.
Legenere limosa	legenere	ABOUT 100 PLANTS IN 1984. WINDSHIELD SURVEY CONDUCTED IN 1997 TO CONFIRM PRESENCE OR ABSENCE OF HABITAT; IF MAPS ARE ACCURATE, THIS SITE IS NOW UNDER THE PAVEMENT AT DEVON DR, FARRIER RD & RACHEL CT IN THE STANFORD RANCH SUBDIVISION.
Legenere limosa	legenere	ABOUT 200 PLANTS IN 1984. NONE FOUND IN 1997 (TOO LATE IN SEASON). THE NORTHERN POOLS WHICH WERE MAPPED HERE IN 1984 APPEAR TO BE EXTIRPATED. S POOLS UNDISTURBED IN 1997.
Legenere limosa	legenere	IN 2002 HUNDREDS OF PLANTS OBSERVED IN FOUR POOLS; LIKELY TO OCCUR IN OTHER ADJACENT POOLS.
Legenere limosa	legenere	1000-10,000 PLANTS OBSERVED IN 1991; PLANTS ROBUST, UP TO 6" TALL; PORTION OF THIS SITE WILL NOT BE DEVELOPED. NO PLANTS SEEN IN 1997 (PROBABLY TOO LATE). HABITAT STILL EXISTS.
Legenere limosa	legenere	150 PLANTS SEEN IN 1991; WETLAND MITIGATION FOR THIS PROPERTY COULD INCLUDE THIS POPULATION. SITE WAS A SUBDIVISION IN 1997; FORMER POPULATION WAS UNDER INTERSECTION OF RANCH RIVER DR AND COLONNADE WAY.
Legenere limosa	legenere	IN 2014, NW POLYGON HAD 1000+ PLANTS AND SE POLYGON HAD 50+ PLANTS.
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	AREA PROPOSED FOR REGIONAL PARK BY CITY OF SACRAMENTO PER SCHONHOLTZ. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SEVERAL POOLS KNOWN FOR THEIR INVERTEBRATE FAUNA. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SOME POOLS MOVED BY WYMER AND ASSOC. PROCESS DESCRIBED IN WYM88R03. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	RANKINGS AND 1977 ZONING FROM WESCO, 1982. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	ZONED AS RESIDENTIAL IN 1977 ROSEVILLE GENERAL PLAN. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Antrozous pallidus	pallid bat	AT LEAST 6 POST-MATERNITY ADULT FEMALES AND YOY JUVENILES OBSERVED ON 15 OCT 2015.
Navarretia myersii ssp. myersii	pincushion navarretia	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1971 COLLECTION BY TRUE. NEEDS FIELDWORK.
Progne subis	purple martin	SEVERAL ADULTS AND JUVENILES OBSERVED IN SPRING OF 2000 AND AGAIN IN 2002. 40+ ADULTS OBSERVED IN 2000. ESTIMATED 29 ADULTS IN 2002. 39 NESTING PAIRS OBSERVED IN 2003. ONE ASY FEMALE WAS OBSERVED AT THE COLONY SITE ON 11 MAR 2007.
Progne subis	purple martin	2 ADULTS (PAIR) OBSERVED NESTING IN OVERPASS DRAINAGE HOLE ON 23 MAY 2007.
Progne subis	purple martin	SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 1 PAIR OBSERVED NESTING.
Progne subis	purple martin	SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 15 PAIRS OBSERVED NESTING.
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	NO PLANTS SEEN IN 1997 WINDSHIELD SURVEY; HABITAT APPEARED INTACT. WITHAM CONSIDERS THIS SITE TO BE ERROUNEOUS; IT IS WELL OUTSIDE THE REPORTED RANGE OF THIS SPECIES. IT MAY BE VAR. AHARTII OR A MISIDENTIFICATION. NEEDS FIELDWORK.
Hydrochara rickseckeri	Ricksecker's water scavenger beetle	ROGERS SAYS THAT THE POOL THE BEETLE WAS COLLECTED IN WAS DESTROYED WHEN THE DEVELOPMENT WAS BUILT, BUT THAT THE SPECIES ALSO OCCURS IN THE ADJACENT PRESERVE.
Pogonichthys macrolepidotus	Sacramento splittail	INFORMATION TAKEN FROM A SACRAMENTO RIVER ANGLER SURVEY CONDUCTED BETWEEN 1991 & 1995. FISH WERE TAKEN BY HOOK & LINE MOSTLY FROM SHORE. MOST OF THE SPLITTAIL CAUGHT WERE TAKEN INCIDENTALLY & WERE NOT THE SPECIES TARGETED BY THE ANGLER.
Sagittaria sanfordii	Sanford's arrowhead	1,000S OF PLANTS SEEN IN 2001.
Sagittaria sanfordii	Sanford's arrowhead	NUMEROUS PLANTS SEEN IN JUNE 1994; CHANNEL CLEARED IN EARLY JULY 1994; PLANTS RECOLONIZED/NUMEROUS IN LATE JULY 1994.
Sagittaria sanfordii	Sanford's arrowhead	2000+ PLANTS OBSERVED IN NORTHWEST POLYGON AND 3000+ PLANTS OBSERVED IN SOUTHEAST POLYGON IN 2011. PLANTS LOCATED UNDER NORWOOD AVE BRIDGE WERE TRANSPLANTED ~375 FEET DOWNSTREAM DUE TO BRIDGE REPLACEMENT.
Sagittaria sanfordii	Sanford's arrowhead	1000'S OF PLANTS OBSERVED IN 1997. THIS SMALL SECTION OF HABITAT APPEARS TO BE SET ASIDE BY THE CURRENT DEVELOPERS. CHANNEL IS MARKED AND EQUIPMENT APPEARS TO AVOID IMPACTING AREA.
Sagittaria sanfordii	Sanford's arrowhead	ABOUT 1000 PLANTS OBSERVED IN 1997. MOST PLANTS OCCUR WITHIN TWO 10X10 OPENINGS WITHIN THICK TYPHA STAND. SITE APPEARS TO BE UNMAINTAINED CHANNEL, FEW VISITORS. NO OBVIOUS THREATS.
Sagittaria sanfordii	Sanford's arrowhead	UNKNOWN NUMBER OF PLANTS SEEN IN 2006. NOT SEEN IN 2008.
Egretta thula	snowy egret	GREAT EGRETS AND BLACK-CROWNED NIGHT HERONS ALSO NEST AT THIS LOCATION.
Melospiza melodia	song sparrow ("Modesto" population)	FOUND BREEDING AT SACRAMENTO BETWEEN 6 JUN-4 JUL 1877. 3 EGGS COLLECTED (MVZ EGG/NEST #1003) ON 9 JUN 1900 FROM "WHEAT AT EDGE OF FIELD, A FEW FEET FROM BRUSH AND WILLOWS ALONG A CANAL."
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	YEARLY RST CATCH 1998-2012 FROM 37 (2000) TO 241 (2008), AVG 132; 66-100% HATCHERY-ORIGIN(HO) SINCE '98, WHEN HO FISH 100% AD-CLIPPED. YRLY TRAWL CATCH 1988-2012: FROM 10 ('91) TO 679 ('93); ~93% HO, 2000-12. SEINE CATCH AVG 8/YR 1979-2012.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	75 REDDS COUNTED IN 2003. 518 PIT TAGGED/E-FISHED 2005-06, 15% HO. RST CATCH/YR FROM 5-1464 (AVG ~554), 1998-2007, >95% FROM LFC, 2-79% HO. HATCHERY RETURNS INCREASED 1967-2003 (AVG 1,019), BUT DECLINED 2005-09; WERE 99% HO AS OF 2012.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	1998-2000: ESTIMATED RUN TO UPPER DC "A FEW 100"; JUVENILES CAUGHT AT MR/SR CONFLUENCE, PRESUMED PRESENT IN BOTH TRIBS. '04-05 ELECTROFISHING SURVEYS CAUGHT 136 O. MYKISS IN SR, 0 IN DC & MR. EVIDENCE OF SPAWNING OBS IN SR IN 2007.
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	1992 SCALE ANALYSIS (N=1) & '95-96 SURVEYS INDICATED ANADROMY. JUVS CAUGHT IN '98-99 SURVEYS; INCL. APPARENT SMOLTS IN '98. JUVS & ADS 10-287 MM CAUGHT IN CDFW SURVEYS NOV-DEC 2004 & APR '05, ANADROMY PRESUMED. DETECTED 2007, PER CDFW DATA.
Fritillaria agrestis	stinkbells	175 PLANTS SEEN IN 1991. HABITAT APPEARED INTACT IN 1997 EXCEPT FOR A PORTION NEAR THE ROAD WHICH HAD BEEN DISKED. NO PLANTS FOUND (TOO LATE).
Fritillaria agrestis	stinkbells	45 PLANTS SEEN IN 1991 IN AN AREA NO LARGER THAN 1 ACRE, 200 PLANTS IN 1994. SITE WAS DISKED IN 1997; PLANTS POSSIBLY EXTIRPATED.
Fritillaria agrestis	stinkbells	2 PLANTS SEEN IN 1979. NOT FOUND IN 1994; ADJACENT PASTURE DISKED IN THE PAST YEAR. THIS SITE WAS DISKED WHEN VISITED IN 1997; PLANTS MAY BE EXTIRPATED AT THIS SITE.
Fritillaria agrestis	stinkbells	150-200 PLANTS SEEN IN 1990.
Buteo swainsoni	Swainson's hawk	1983: NESTING PAIR & 2 SWHA. 1985: SWHA BUT NO NEST. 86: 1 NEST/2 YOUNG. 91: 2-3 NESTS/3 FLEDGED. 93: 2 NESTS/2 YOUNG. 94: 2 NESTS/2 FLEDGED. 2000: INCUBATION AT 3 NESTS. 03: 2 NESTS/1 YOUNG. 07: 1 NEST/1 YOUNG. 08: 1 NEST. 16: 2 NESTS.
Buteo swainsoni	Swainson's hawk	1) SWHA OBSERVED/NO NEST FOUND, 1981. ACTIVE 1983, 1984. SWHA BUT NO NEST 1985. 2 FLEDGED 1986. ACTIVE, 1990. ONLY "FLOATERS" OBS, 1992. NEST W/PAIR & 1 YOUNG, 1993. 2) ACTIVE/0 YOUNG OBS, 2003. 3) 1 FLEDGED, 1991. PAIR W/1 YOUNG OBS, 1992.
Buteo swainsoni	Swainson's hawk	DEFENSIVE SWAINSON'S HAWK PAIR OBSERVED APR 2001; HAWK FLUSHED FROM A TREE CONTAINING POSSIBLE NEST. NEST MONITORED IN 2003; FLEDGED 2.
Buteo swainsoni	Swainson's hawk	2 ADULTS OBSERVED NESTING AND FORAGING IN 1988. 1 ADULT AND 1 DOWNY CHICK OBSERVED IN NEST ON 3 JUN 2004. NEST MONITORED IN 2010; FLEDGED 2.
Buteo swainsoni	Swainson's hawk	SW SITE: ACTIVE IN 1987, BUT OUTCOME UNKNOWN; 2 FLEDGED IN 1991; ACTIVE, BUT 0 YOUNG OBSERVED IN 1992; 1 OF 2 YOUNG FLEDGED IN 1993; 1 FLEDGED IN 1994. NE SITE: NEST WITH 1 FEATHERED YOUNG OBSERVED ON 11 JUL 2003.
Buteo swainsoni	Swainson's hawk	NESTING PAIR OBSERVED IN 1984 & 1986, NEST SUCCESS UNKNOWN. SWHA OBS IN 1987, NO NEST FOUND. NEST WITH PAIR & 3 YOUNG OBS IN 1991. NEST FAILED AFTER HATCHING 1 YOUNG IN 1993. NEST FLEDGED 1 IN 1994. NEST WITH 1 YOUNG OBS DURING 2007 SURVEY.
Buteo swainsoni	Swainson's hawk	NESTING PAIR OBSERVED IN 2009; NEST SUCCESS UNKNOWN. PAIR REPORTEDLY RETURNED TO NEST IN 2010; SUCCESS UNKNOWN.
Buteo swainsoni	Swainson's hawk	1 ADULT OBSERVED IN 1979, BUT NO NEST FOUND. SITE INACTIVE IN 1980. IN 1993, 2 ADULTS WITH AT LEAST 1 FLEDGLING (FLEDGLING COULD BE HEARD BUT NOT SEEN) IN VICINITY OF NEST. ACTIVE NEST FLEDGED 2 YOUNG IN 1994.
Buteo swainsoni	Swainson's hawk	2 YOUNG FLEDGED IN 1992. 2004: NORTH NEST PRODUCED 2 YOUNG, FLEDGING SUCCESS UNKNOWN; SOUTH NEST HARD TO FIND, 1 LARGE FEATHERED YOUNG OBS IN NEST 9 JUL. 2010: NESTS MONITORED IN 2010, EACH FLEDGED 2 YOUNG.
Buteo swainsoni	Swainson's hawk	1 ADULT OBSERVED SITTING ON NEST ON 30 APR 2004 AND AGAIN ON 18 JUN 2004, WITH A SECOND ADULT FLYING AROUND THE NEST TREE. 2 ACTIVE NESTS MONITORED IN 2010; BOTH FLEDGED 2 YOUNG.
Buteo swainsoni	Swainson's hawk	2 ACTIVE NESTS MONITORED IN 2004. WESTMOST NEST PRODUCED 3 YOUNG AND EASTMOST NEST PRODUCED 2; PART-FEATHERED YOUNG OBS IN JUL, BUT FLEDGING SUCCESS UNKNOWN. NEST MONITORED IN 2010; 2 YOUNG WERE FLEDGED.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST, 1 ADULT INCUBATING OBSERVED ON SEVERAL OCCASIONS MAY-JUN 2001; NEST SUCCESS UNKNOWN. NEST MONITORED IN 2004; BIG CHICK OBSERVED BRANCHING ON 9 JUL.
Buteo swainsoni	Swainson's hawk	ADULTS FIRST OBSERVED IN COURTSHIP IN EARLY APR 2006; DURING THE FOLLOWING WEEK, NEST-BUILDING BEGAN. 2 YOUNG FLEDGED FROM THIS NEST BY 10 AUG 2006. NEST WITH TWO NEARLY-FLEDGED YOUNG OBSERVED ON 26 JUN 2011.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST MONITORED IN 2004; 2 DOWNY YOUNG OBSERVED IN NEST ON 30 JUN. 2 ACTIVE NESTS MONITORED IN 2010; BOTH FLEDGED 2 YOUNG.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST WITH 3 FEATHERED YOUNG STANDING IN THE NEST ON 8 JUL 2004. NEST MONITORED IN 2010, FLEDGED 2 YOUNG.
Buteo swainsoni	Swainson's hawk	1 ADULT WITH 1 FUZZY HEAD CHICK OBSERVED IN NEST ON 9 JUL 2004. ACTIVE NEST MONITORED IN 2010; FLEDGED 2.
Buteo swainsoni	Swainson's hawk	NESTING ATTEMPTS MADE 2010-2016, BUT COMPETITION FROM RED-TAILED HAWKS HAVE RESULTED IN NO SUCCESSFUL SWAINSON'S HAWK NESTING.
Buteo swainsoni	Swainson's hawk	2 ADULTS OBSERVED WITH 3 NESTLINGS IN 1993; WHICH WAS THEIR FOURTH CONSECUTIVE YEAR OF NESTING AT THIS SITE. 1 YOUNG FLEDGED IN 1994.
Buteo swainsoni	Swainson's hawk	FEMALE OBSERVED IN NEST IN BROOD POSITION ON 27 APR 2001.
Buteo swainsoni	Swainson's hawk	2 ADULTS OBSERVED IN COURTSHIP AND AT THE NEST TREE WITH A NEST THAT APPEARED TO BE 2/3 COMPLETED.
Buteo swainsoni	Swainson's hawk	2 ADULTS AND 2 JUVENILES OBSERVED ON 30 JUN 2003.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST MONITORED IN 2003; FLEDGLING/BRANCHER, STILL A BIT DOWNY, OBSERVED OUT OF NEST ON 19 JUL, WITH BOTH PARENTS AT TOP OF NEST TREE.
Buteo swainsoni	Swainson's hawk	ADULT OBSERVED IN THE NEST ON 9 JUN 2004.
Buteo swainsoni	Swainson's hawk	SWAINSON'S HAWK OBSERVED ON NEST ON 21 APR AND 5 MAY 2009; NEST SUCCESS UNKNOWN. NESTING PAIR OBSERVED THROUGH JUN 2013; CHICK SEEN IN NEST ON 24 JUN 2013.
Buteo swainsoni	Swainson's hawk	2 FEATHERED CHICKS LAYING FLAT IN THE NEST OBSERVED ON 9 JUL 2004; ADULT SOARING OVERHEAD.
Buteo swainsoni	Swainson's hawk	SWAINSON'S HAWK PAIR OBSERVED MATING, NEST-BUILDING, AND RETRIEVING FOOD TO UNSEEN NEST (OBSCURED BY FOLIAGE) IN APRIL 2001; OBS NEAR NEST IN MAY, SITE VACANT 27 JUN.
Buteo swainsoni	Swainson's hawk	2010-2011 SIGHTINGS: SOME POSSIBLE COURTSHIP BEHAVIOR BUT NO CONFIRMED NEST OBSERVED, SURVEYOR CONCLUDED MARKHAM RAVINE MAY BE FORAGING TERRITORY FOR PAIR THAT NESTED HERE IN 2012. NESTING PAIR OBS ON 24 APR 2012.
Buteo swainsoni	Swainson's hawk	NEST WITH YOUNG OBSERVED ON 28 APR 2009; FLEDGING SUCCESS UNKNOWN.
Buteo swainsoni	Swainson's hawk	NEST MONITORED BEFORE AND DURING BREWER RD BRIDGE CONSTRUCTION IN 2012; NESTING PAIR OBSERVED, 2 YOUNG WERE FLEDGED.
Buteo swainsoni	Swainson's hawk	NEST WITH YOUNG OBSERVED ON 19 AUG 2009; FLEDGING SUCCESS UNKNOWN.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST, INCUBATION OBSERVED ON 3 MAY 2001; NEST SUCCESS UNKNOWN.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST MONITORED IN 2010; NESTING PAIR OBSERVED, 2 YOUNG FLEDGED IN JUL.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST MONITORED IN 2010; 2 YOUNG FLEDGED IN JULY. 1 SWHA OBSERVED CIRCLING IN AREA ON 14 JUL 2011; NO NEST OR NESTING BEHAVIOR RECORDED; LEVEL OF EFFORT FOR DETERMINING NESTING WAS NOT SPECIFIED.
Buteo swainsoni	Swainson's hawk	2 FEATHERED YOUNG OBSERVED IN NEST AND ON BRANCHES ON 9 JUL 2004; ADULT DELIVERED FOOD TO NEST.
Buteo swainsoni	Swainson's hawk	1 ADULT SWAINSON'S HAWK IN NEST OBSERVED ON 18 MAY AND 9 JUL; NO YOUNG VISIBLE, SUCCESS UNKNOWN.
Buteo swainsoni	Swainson's hawk	3 ADULTS PRESENT ON 13 APR 2001; 1 ADULT IN THE NEST AND 1 DELIVERING STICKS. ON 2 JUL 2001, THERE WERE 2 ALMOST COMPLETELY FEATHERED YOUNG IN THE NEST.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST DISCOVERED ON 12 MAY 2004; NEST APPEARED EMPTY, BUT DIFFICULT TO SEE INTO (POSSIBLY FLEDGED?) ON A RETURN VISIT ON 6 JUL 2004.
Buteo swainsoni	Swainson's hawk	NEST SITE ACTIVE ON 19 APR, 6 JUN, AND 18 JUL 2002; 1 PARTIALLY-FEATHERED CHICK PRESENT IN NEST ON 6 JUN 2002, AND 2 ADULTS AND 1 JUVENILE FORAGING ON 18 JUL 2002.
Buteo swainsoni	Swainson's hawk	ADULTS OBSERVED NEST-BUILDING ON 18 JUN 2004. 1 ADULT PRESENT IN THE NEST TREE ON 9 JUL 2004, BUT UNABLE TO SEE INTO NEST. NEST MONITORED IN 2010; 2 YOUNG FLEDGED.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST WITH 1 CHICK OBSERVED ON 1 JUL 2003.
Buteo swainsoni	Swainson's hawk	NEST SITE MONITORED IN 2010; NEST-BUILDING OBSERVED IN APR, INCUBATION OBS IN MAY, YOUNG IN NEST OBS 10 JUN, FLEDGED YOUNG IN NEST TREE OBS 10 JUL.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST OBSERVED ON 18 APR 2004; 1 DOWNY YOUNG OBSERVED.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST OBSERVED ON 24 JUN 2004, SURVEYOR WAS UNABLE TO SEE INTO NEST DUE TO THE DENSITY OF SURROUNDING FOLIAGE.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST WITH 2 FEATHERED CHICKS OBSERVED ON 9 JUN 2004; ADULT RETRIEVING FOOD TO NEST.
Buteo swainsoni	Swainson's hawk	ACTIVE NEST OBSERVED ON 14 JUN 2004; 2 DOWNY CHICKS OBSERVED IN NEST.
Buteo swainsoni	Swainson's hawk	NEST DISCOVERED ON 8 JUN 2001. PARTIALLY-FEATHERED YOUNG IN NEST ON 9 JUL 2001; FLEDGED BY 23 JUL 2001.

CNDDB 10 Miles

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SNAME	CNAME	GENERAL
Buteo swainsoni	Swainson's hawk	NESTING PAIR OBSERVED ON MULTIPLE VISITS MAY-JUL 2001; ADULT OBS FEEDING 1 DOWNY YOUNG ON 23 JUL, FLEDGING SUCCESS UNKNOWN.
Buteo swainsoni	Swainson's hawk	NEST DISCOVERED ON 19 MAY 2004; AT LEAST 1 CHICK PRESENT ON 6 JUL 2004.
Buteo swainsoni	Swainson's hawk	NEST BUILDING OBSERVED ON 2 JUL 2001; SURVEYOR WAS UNABLE TO SEE INTO NEST TO COUNT CHICKS.
Buteo swainsoni	Swainson's hawk	ADULT OBSERVED IN NEST ON 30 APR 2004; 2 PARTIALLY-FEATHERED CHICKS WITH FRESHLY-DELIVERED PREY OBSERVED ON 18 JUN 2004.
Buteo swainsoni	Swainson's hawk	NESTING INITIATED IN 1996 DURING GRADING BUT PRIOR TO CONSTRUCTION OF HOUSES; 2 YOUNG PRODUCED. NEST SITE VACANT IN 1997, THOUGH NEST TREE REMAINED WITHIN AN OPEN SPACE/GOLF COURSE. NO ACTIVITY IN 2000 & 2001; TERRITORY APPEARS ABANDONED.
Buteo swainsoni	Swainson's hawk	NESTING OBSERVED ON 15 JUL 2002.
Buteo swainsoni	Swainson's hawk	SITE WAS FIRST REPORTED AS A BREEDING TERRITORY IN 1992. TERRITORY WAS ACTIVE IN 2001. ADULT OBSERVED CARRYING PREY TO THE NEST ON 1 JUL 2002; UNKNOWN NUMBER OF YOUNG IN NEST.
Buteo swainsoni	Swainson's hawk	NEST SITE ALSO OCCUPIED IN 2001. ADULTS OBSERVED CARRYING PREY ITEMS TO NEST ON 11 JUL 2002.
Buteo swainsoni	Swainson's hawk	3-4 YOUNG HATCHED IN 2002, BUT ONLY 2 SURVIVED TO FLEDGING.
Buteo swainsoni	Swainson's hawk	2 ADULTS AND 2 CHICKS OBSERVED AT THE NEST ON 18 JUN 1997.
Buteo swainsoni	Swainson's hawk	DARK-PHASE ADULT SWHA OBSERVED ON 26 APR 2001; NO NEST FOUND. NEST FOUND BY THOMAS LEEMAN (ESA), AND HE REPORTED THAT AT 2 YOUNG HAD BEEN PRODUCED. BY 27 JUN 2001, WHEN WE RETURNED TO GPS THE NEST, THE YOUNG HAD FLEDGED.
Buteo swainsoni	Swainson's hawk	1 ADULT OBSERVED SITTING ON NEST ON 9 JUN 2004; ADULT OBSERVED STANDING ON NEST ON 18 JUN 2004, BUT NO VISIBLE CHICKS.
Agelaius tricolor	tricolored blackbird	APPROXIMATELY 5,000 NESTS OBSERVED ON 18 JUN 1935. APPROXIMATELY 3,000 NESTS OBSERVED ON 25 MAY 1936. NONE OBSERVED ON 16 APR 2011 AND 19 APR 2014. FURTHER RESEARCH NEEDED TO DETERMINE FINAL STATUS OF THESE COLONIES.
Agelaius tricolor	tricolored blackbird	EXTIRPATED ACCORDING TO BEEDY 1991.
Agelaius tricolor	tricolored blackbird	A BREEDING COLONY COMPOSED OF ABOUT 1000 NESTS OBSERVED ON 26 MAY 1933. A BREEDING COLONY COMPOSED OF ABOUT 1500 NESTS OBSERVED ON 26 MAY 1936. 0 OBSERVED ON 18 APR 2014 AND 17 APR 2015.
Agelaius tricolor	tricolored blackbird	ABOUT 200 BIRDS OBSERVED NESTING/BREEDING ON 18 JUN 1992.
Agelaius tricolor	tricolored blackbird	BREEDING COLONY OF A FEW HUNDRED OBSERVED ON 18 MAY 1998 FLYING IN AND OUT OF SITE. OBSERVED ON 20 APR 2014 DURING STATEWIDE SURVEY; SITE OBSERVED FOR ABOUT 17 MINUTES.
Agelaius tricolor	tricolored blackbird	NESTING IN 1993. 50 OBS FORAGING ON 21 JAN & 3 FEB 1994. AT LEAST 2 MALES OBS ON 21 APR 1995. 0 OBS IN 1997. 60 OBS ON 22 APR 2000. 4K OBS NESTING ON 4 MAY 2000. 100 OBS ON 23 APR 2005; NESTING UNK. 0 OBS IN JUL 2010, APR 2011, & APR 2014.
Agelaius tricolor	tricolored blackbird	ABOUT 500 BIRDS NOTED AS NESTING ON 22 JUN 1992. NONE OBSERVED ON 16 APR 2011; RED-WINGED BLACKBIRDS OBSERVED IN THE AREA.
Agelaius tricolor	tricolored blackbird	ANECDOTALLY REPORTED AS NESTING IN 1994. A FORAGING FLOCK OF ABOUT 250 BIRDS OBSERVED ON 21 APR 1995. ABOUT 200 BIRDS OBSERVED ON 22 APR 2000; NOTED AS CARRYING FOOD.
Agelaius tricolor	tricolored blackbird	OBSERVED IN JUL OF 2010. 200 BIRDS OBS ON 7 JUN 2011; REPORTED AS A BREEDING COLONY. AN ESTIMATED 4,200 BIRDS OBS ON 13 JUN 2015; NESTS AND FLEDGLINGS CONFIRMED.
Agelaius tricolor	tricolored blackbird	NESTING COLONY OF ABOUT 1000 OBSERVED ON 23 MAY 2017. ADULTS OBSERVED CARRYING FOOD (CATERPILLARS) INTO BLACKBERRY BRAMBLES.
Agelaius tricolor	tricolored blackbird	APPROXIMATELY 500 BIRDS OBSERVED ON 18 OR 19 APR 2011; COLONY NOT PREVIOUSLY OBSERVED, MARKED AS SINGING AND CARRYING NEST MATERIAL IN PORTAL. 0 BIRDS OBSERVED ON 18 APR 2014. 0 OBSERVED ON 17 APR 2015; ABOUT 1500 OBS THE WEEK PRIOR.
Agelaius tricolor	tricolored blackbird	ABOUT 40 BIRDS OBSERVED ON 3 JUN 2005; BIRDS OBSERVED CARRYING FOOD, PRESUMED BREEDING. 0 BIRDS OBSERVED ON 15-16 APR 2011; A VISIT THE WEEK PRIOR COUNTED ~300 BIRDS, POSSIBLE BREEDING COLONY. 0 OBSERVED ON 18 & 25 APR 2014 AND 17 APR 2015.
Agelaius tricolor	tricolored blackbird	APPROXIMATELY 1500 BIRDS OBSERVED NESTING ON 4 MAY 2000 (DEHAVEN); BIRDS SINGING, PRESUMED NESTING. 0 BIRDS OBSERVED ON 16 APR 2011, 18 APR 2014, AND 17 APR 2015.
Agelaius tricolor	tricolored blackbird	~4,000 BIRDS OBSERVED ON 25 APR 2008; OBS INDICATED THAT MOST NEST BUILDING COMPLETE W/ EGG LAYING & INCUBATION IN PROGRESS. 0 OBS ON 16 APR 2011. ~6,500 BIRDS OBS NESTING ON 19 APR 2014; 0 BY 23 MAY. 200 OBS ON 9 APR 2015, 0 BY 16 APR.
Agelaius tricolor	tricolored blackbird	APPROXIMATELY 350 BIRDS OBSERVED ON 25 APR 2008; MARKED AS SINGING AND CARRYING NEST MATERIAL IN PORTAL. 0 BIRDS OBSERVED ON 16 APR 2011; A FLOCK OF ABOUT 200-500 BIRDS OBS IN THE PREVIOUS WEEK. 0 OBSERVED ON 18 APR 2014.
Agelaius tricolor	tricolored blackbird	APPROXIMATELY 300 ADULTS OBSERVED ON 19 MAY 2010; OBSERVED FLYING THROUGH THE PRESERVE NEAR A SEASONAL WETLAND AREA. BIRDS WOULD LAND AMONG CATTAILS IN GRASSLAND AREA THEN FLY OFF TO THE SMALL POND ON ADJACENT PROPERTY, POSSIBLE NESTING.
Agelaius tricolor	tricolored blackbird	25 BIRDS OBSERVED NESTING IN JUL 1992. NESTING COLONY ANECDOTALLY REPORTED IN 1993. 1K NESTING BIRDS OBS IN APR 1994. 2K NESTING BIRDS OBS ON 21 APR 1995. 5K NESTING ON 22 APR 2000, ADDITIONAL 4K FORAGING NEARBY. 0 OBS IN 2011 & 2015.
Agelaius tricolor	tricolored blackbird	300-500 OBS NESTING ON 5 APR 2014. 1.8K OBS NESTING ON 18 APR 2014. 2.2K OBS ON 16 MAY 2014; 15+ FLEDGLINGS. 2.2K OBS ON 23 MAY 2014; 160 FLEDGLINGS. 5K BIRDS SINGING IN & OUT BLACKBERRY ON 10 APR 2015; ONLY 10 REMAINING BY 17 APR.
Agelaius tricolor	tricolored blackbird	AN ESTIMATED 1500 BIRDS OBSERVED ON 25 APR 2008; INCUBATION CONFIRMED, NEST BUILDING OBSERVED THE WEEK PRIOR. 0 BIRDS OBSERVED ON 3 APR 2011, 18 APR 2014, AND 17 APR 2015.
Agelaius tricolor	tricolored blackbird	200 BIRDS OBS ON 22 APR 2000. 200 BIRDS OBS ON 25 APR 2008; CLASSIFIED AS SINGING/CARRYING NEST MATERIAL. 0 OBS ON 29 MAR 2011. 2.5K BIRDS OBS FORAGING/NESTING ON 16 APR 2014. 0 OBS ON 18 APR 2014. 0 OBS ON 17 APR 2015; 200 OBS WEEK PRIOR.
Agelaius tricolor	tricolored blackbird	ABOUT 1800 BIRDS OBSERVED ON 18 APR 2014; FORAGING & SINGING, CLASSIFIED AS BREEDING. ABOUT 1000-1200 OBS ON 16 & 23 MAY 2014; ADULTS CARRYING FOOD, LESS THAN 10 FLEDGLINGS OBS. ABOUT 1500 OBS ON 17 APR 2015; NEST & EGGS PRESENT.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	5 VALLEY ELDERBERRY LONGHORN BEETLE EXIT HOLES OBSERVED IN APR 2001. NO EVIDENCE OF VELB OCCUPANCY DETECTED IN 2005-2011. ELDERBERRY SHRUBS TRANSPLANTED TO CONSERVATION AREA AT NORTHERN PORTION OF SITE.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	2006: 2 EXIT HOLES. 2007: 2 EXIT HOLES. 2008: 14 BEETLES AND 34 EXIT HOLES. 2009: 9 EXIT HOLES. 2010: 11 EXIT HOLES. 2012: 5 EXIT HOLES. 2013: 0 EXIT HOLES OR BEETLES. 2014: 1 EXIT HOLE.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	VALLEY ELDERBERRY LONGHORN BEETLE EMERGENCE HOLES WERE DETECTED ON 10 OUT OF 19 ELDERBERRY SHRUBS ON 14 MAY 2007 SURVEYS; A TOTAL OF 10 EMERGENCE HOLES WERE DETECTED.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 3 OF 3 BASINS SAMPLED IN SEC 18, 16 JAN 1993. FOUND IN 5 OF 31 BASINS SAMPLED IN SEC 25, 27 JAN 1993. FOUND IN 71 BASINS, 16 JAN 1997.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 1 OF 17 SEASONAL WETLANDS AND 1 OF 33 VERNAL POOLS SURVEYED 5 FEB 1993 (SUGNET RECORD NUMBERS 93 & 94). BRANCHINECTA CYSTS FOUND DURING 2005 SURVEY WERE NOT IDENTIFIED TO SPECIES.
Branchinecta lynchi	vernal pool fairy shrimp	B. LYNCHI OBSERVED IN 2 OF 5 FEATURES SURVEYED ON 18 JAN 1993. NO LEPIDURUS PACKARDI OBSERVED. SUGNET RECORD #95.
Branchinecta lynchi	vernal pool fairy shrimp	21 JAN 2002: POPULATION OF POOL ESTIMATED TO BE IN 100'S; 1 MALE AND 1 FEMALE COLLECTED.
Branchinecta lynchi	vernal pool fairy shrimp	UNKNOWN NUMBER OF B. LYNCHI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #82. NO LEPIDURUS PACKARDI OBSERVED.
Branchinecta lynchi	vernal pool fairy shrimp	2 CYSTS COLLECTED ON 14 AND/OR 17 APR 2008 (CASIZ #175698).
Branchinecta lynchi	vernal pool fairy shrimp	JOHN D: FOUND IN UP TO 5 OF 69 POOLS, 2007. IN 11 POOLS, 2009. IN UP TO 10 POOLS, 2 FEB 2011. IN 7-8 POOLS, 2013. TOAD HILL: 0 FOUND IN DRY SAMPLES, 2009. ADULTS IN 8 OF 200 POOLS, 2012. IN 5 OF 115 POOLS, 2013. IN 3 OF 200 POOLS, 2014.
Branchinecta lynchi	vernal pool fairy shrimp	MR: 0 FOUND 1997; IN 2 POOLS, 2002; IN 4 POOLS, 2003; IN 1 POOL, 2005; IN 1 POOL, 2008; IN 5 POOLS, 2010. AMR: IN 6 POOLS, 2007 (5 MAPPED HERE); IN 7-8 POOLS, 2010 (6 HERE); 2+ COLLECTED, CYSTS IN 14 POOLS (10 HERE) HATCHED & IDED, 2013.
Branchinecta lynchi	vernal pool fairy shrimp	FOSKETT: FOUND IN 4 OF 47 POOLS, 2005; IN 5 POOLS, 2006; IN 3 OF 44 POOLS, 2007; BRANCHINECTA SP. IN 1 POOL, 2008; IN 1 POOL, 2009; IN 8 OF 40 POOLS, 11 FEB 2010. SWAINSONS: 100S IN 9 POOLS, 2008; 100S-1000S FOUND, 2010; IN 4 POOLS, 2012.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 3 POOLS ON 6 MAR 2007. FOUND IN UP TO 37 POOLS ON 12 MAR 2012.
Branchinecta lynchi	vernal pool fairy shrimp	50 FOUND IN 17 POOLS ON 16 FEB 2010. >100 FOUND IN 25 POOLS ON 26 JAN 2011. FOUND IN 28 OF 41 POOLS SAMPLED FEB-MAR 2012. MORE THAN 100 FOUND IN 26 OF 29 POOLS SAMPLED JAN-MAR 2013. FOUND IN 3 POOLS DURING 2018 SURVEYS.
Branchinecta lynchi	vernal pool fairy shrimp	COLLECTED IN 1980 AND 1994. FOUND IN 26 OF 56 POOLS SAMPLED 1995. IN 27 OF 55 POOLS, 1996. PRESENT, 1997 & 1998. IN 2 OF 30 POOLS, 2008. SINGLE FEMALE BRANCHINECTA FOUND IN 1 OF 31 POOLS SAMPLED FEB 2009; PRESUMED B. LYNCHI.
Branchinecta lynchi	vernal pool fairy shrimp	2 COLLECTED ON 31 JAN 1995 (CASIZ #103126). 1 COLLECTED ON 6 FEB 1995 (CASIZ #103125).
Branchinecta lynchi	vernal pool fairy shrimp	MORE THAN 100 ADULTS & JUVENILES OBSERVED IN OVER 25 POOLS, FEB 2006. DETECTED IN 2 OF 51 POOLS SAMPLED, JAN-MAR 2007. 50 FOUND IN 10 POOLS, MAR 2009. MORE THAN 100 FOUND IN 14 POOLS, FEB 2011. MORE THAN 100 FOUND IN 11 POOLS, 11 FEB 2013.
Branchinecta lynchi	vernal pool fairy shrimp	1993: SHRIMP OBS BY S. MEYERS. 2/13/1996: >50 ADULTS OBS IN SMALL (93 SQ. METERS) ISOLATED POOL ABOUT 1000 FT S OF ELVERTA RD; 50-100 ADULTS OBS IN POOL 800 FT E OF SORENTO RD; 50-100 ADULTS OBS IN 92 SQ. METER POOL 230 FT S OF ELVERTA RD.
Branchinecta lynchi	vernal pool fairy shrimp	TENS TO THOUSANDS DETECTED IN 11 FEATURES ON 7 JAN AND 9 ON 12 JAN 2011.
Branchinecta lynchi	vernal pool fairy shrimp	10S TO 100S DETECTED IN 4 OF 17 BASINS SAMPLED MAR 2007. 100S DETECTED IN 9 POOLS ON 4 FEB 2009. 100S TO 1000S DETECTED IN 12 OF 17 POOLS SAMPLED JAN-FEB 2010. 10S DETECTED IN 1 POOL, 25 JAN 2013. 100S DETECTED IN 5 POOLS, 2015.
Branchinecta lynchi	vernal pool fairy shrimp	1996: B. LYNCHI OBS IN 7 POOLS (#105, 122, 140 & 143 OBS >50; POOLS #131, 133 & 148 OBS <50). 1997: 10'S OBS IN #107 & 142. 1998: 100'S OBS IN VP# 121, 142 & 143; 1000'S OBS IN VP #122. 1999: 100'S OBS IN MANY POOLS WITHIN MONITORED AREA.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 5 OF 32 POOLS, 1993. IN 2 POOLS, 1995 (2 IN CAS). 0 IN 1996. IN 5 POOLS, 1997. 0 IN 1998. IN 3 POOLS, 2001. IN 1 POOL, 2002 & 2003. 0 IN 2004 & 2005. IN 2 POOLS, 2006. IN 1 POOL, 2007 & 2008. IN 3 POOLS, 2009, IN 5 POOLS, 2012.
Branchinecta lynchi	vernal pool fairy shrimp	DETECTED IN 5 TO 7 POOLS ON 8 FEB 2008. DETECTED IN 10 POOLS ON 17 FEB 2010. DETECTED IN 1 POOL ON 3 APR 2012.
Branchinecta lynchi	vernal pool fairy shrimp	OVER 10 FOUND IN 1 POOL, 2001. 10S IN 1 POOL, 2002. 10S-100S IN 4 POOLS, 2003. 10S FOUND IN 1 OF 22 POOLS, 2005. IN 1 POOL, 2007. IN 5 POOLS, FEB 2008. 0 FOUND IN 24 POOLS, FEB 2009. IN 1 POOL, FEB 2010. IN 1 POOL, APR 2012. IN 2, JAN 2013.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 16 OF 52 POOLS IN SEC 13 & 4 OF 9 POOLS IN SEC 14, 1993 (SUGNET IDS #87 & 88). 100S FOUND IN 1 POOL, 2005. BRANCHINECTA CYSTS FOUND IN 11 BASINS, 2007. NOT FOUND IN 2007-08 WET SEASON. IN 10 POOLS, 2009. IN 4 POOLS, 2016.
Branchinecta lynchi	vernal pool fairy shrimp	10S FOUND ON 9 MAR 2001, 6 COLLECTED. FOUND IN 6 OF 313 BASINS, FEB-MAR 2007 (1 MAPPED HERE). IN 7-8 POOLS, FEB 2010 (1 MAPPED HERE). 2+ COLLECTED IN JAN, CYSTS FOUND IN 14 POOLS (4 MAPPED HERE) DEC 2013 WERE HATCHED & IDED AS B. LYNCHI.
Branchinecta lynchi	vernal pool fairy shrimp	FEWER THAN 10 REPRODUCTIVE ADULTS OBSERVED ON 22 JAN 2008. DETECTED IN 3 POOLS ON 16 MAR 2009. FOUND IN 5 OF 17 POOLS SAMPLED 4 APR 2012. DETECTED IN 3 OF 17 POOLS SAMPLED JAN-MAR 2014.
Branchinecta lynchi	vernal pool fairy shrimp	BRANCHINECTA CYSTS FOUND IN 1 POOL ON TLC-ELVERTA PROPERTY, AUG 2005. FEWER THAN 24 FOUND IN 2 OF 53 WETLANDS SAMPLED ON ELVERTA 24 PROPERTY, JAN-FEB 2006. FOUND IN 14 BASINS IN "MITIGATION AREA 1" & "SPORTS PARK" PARCELS, 4 & 18 FEB 2008.
Branchinecta lynchi	vernal pool fairy shrimp	TENS DETECTED IN 4 POOLS ON 10 FEB 2005. NONE FOUND IN POOL #273, 18-19 FEB 2009 & 16 MAR 2010 (THE OTHER HISTORICALLY OCCUPIED POOLS WERE NOT SAMPLED). DETECTED IN 1 POOL ON 8 FEB 2016.
Branchinecta lynchi	vernal pool fairy shrimp	S OF BLVD: DETECTED, 1995. FOUND IN 1 POOL, 2010. IN 2 POOLS, 2012. N OF BLVD: IN 1 OF 14 POOLS, FEB-MAR 1995; 1 ADULT COLLECTED, IN CAS (CASIZ #103127). ADULTS IN 1 POOL, JAN 2013; BRANCHINECTA CYSTS FOUND IN DRY-SEASON SAMPLES, 2013.
Branchinecta lynchi	vernal pool fairy shrimp	1995: <50 ADULTS OBSERVED IN POOL #211. 1996: <50 ADULTS OBSERVED IN 5 POOLS (101, 204, 206, 216 & 220). LINDERIELLA OCCIDENTALIS ALSO PRESENT IN MOST OF SITE DURING 1995 AND 1996.
Branchinecta lynchi	vernal pool fairy shrimp	BRANCHINECTA CYSTS FOUND IN POOL SW-57 ON 11 OCT 2005 (NOT IDED TO SPECIES). ABOUT 10 ADULTS OBSERVED IN VP-29 ON 6 JAN 2006.
Branchinecta lynchi	vernal pool fairy shrimp	BRANCHINECTA CYSTS FOUND IN 1 BASIN ON 11 OCT 2005 (NOT IDED TO SPECIES). ABOUT 1000 ADULTS OBSERVED IN SW-281 AREA, 6 JAN 2006.
Branchinecta lynchi	vernal pool fairy shrimp	FEWER THAN 24 DETECTED JAN 2006, IN 1 OF 20 BASINS SAMPLED. PRESENT IN POOL SW5 ON 12 FEB 2010.
Branchinecta lynchi	vernal pool fairy shrimp	HUNDREDS OBSERVED IN 1 OF 15 POOLS SAMPLED DURING SURVEY CONDUCTED ON 7 MAR 2001. NONE FOUND DURING SURVEYS ON 28 FEB 2002, 7 JAN 2005, 23 FEB 2007, 16 JAN 2008, AND 17 FEB 2009.
Branchinecta lynchi	vernal pool fairy shrimp	THOUSANDS WERE FOUND IN 3 OF 12 POOLS SAMPLED ON 13 MAR 2014. 100S FOUND IN 4 POOLS, 9 JAN 2015.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN LOW ABUNDANCE IN VP584, MEDIUM IN VP610, 2 OF 170 POOLS SAMPLED, 17 JAN 1997. 100S OF ADULTS FOUND, 10 JAN 2002. FEWER THAN 10 FOUND, 22 JAN 2008. FOUND IN 1 POOL, 16 MAR 2009, 16 FEB 2010 & 27 JAN 2011. NONE FOUND IN 2014 SURVEY.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 5 OF 54 FEATURES SAMPLED ON 18 FEB 1993. NOT FOUND IN 12 FEATURES SAMPLED JAN-FEB 1995. OVER 50 FOUND IN 1 OF 14 POOLS, 30 JAN 1996. TENS FOUND IN 2 OF 29 POOLS, 14 JAN 1997.
Branchinecta lynchi	vernal pool fairy shrimp	2 SITES IN SAME POOL SAMPLED 14 JAN 1995. AT SOUTH SITE FEWER THAN 50 ADULTS WERE OBSERVED, AT NORTH SITE MORE THAN 50 ADULTS WERE OBSERVED. VOUCHER SPECIMENS COLLECTED AND DEPOSITED IN CAS (CASIZ #106792).
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 15 POOLS, 2009 (3 MAPPED HERE, SEE ALSO OCCURRENCES #731 AND 732).
Branchinecta lynchi	vernal pool fairy shrimp	21 OF 117 POOLS SAMPLED 24 NOV 2006; 5 CONTAINED BRANCHINECTA CYSTS. CYSTS PRESUMED B. LYNCHI GIVEN SITE LOCATION AND HABITAT TYPE, BUT HATCHING AND REARING WOULD BE NEEDED FOR A POSITIVE ID.
Branchinecta lynchi	vernal pool fairy shrimp	OVER 50 FOUND IN 1 POOL, 1995; 1 COLLECTED AND SENT TO CAS. TENS FOUND IN 1 POOL, 2000. HUNDREDS IN 3 POOLS, 4 JAN 2002. HUNDREDS IN 1 POOL, 29 JAN 2003. NOT FOUND ON THIS PARCEL IN 2005 & 2008. FOUND IN 2 POOLS, 13 FEB 2009.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 15 POOLS, 2009 (2 MAPPED HERE, SEE ALSO OCCURRENCES #731 AND 788).
Branchinecta lynchi	vernal pool fairy shrimp	FAIRY SHRIMP IDENTIFIED BY STEPHANIE MYERS (JSA); ALTHOUGH NOT COMMON, THERE WERE TOO MANY TO COUNT.
Branchinecta lynchi	vernal pool fairy shrimp	TENS OF REPRODUCTIVE ADULTS FOUND IN 3 POOLS, 17 JAN 2006.
Branchinecta lynchi	vernal pool fairy shrimp	1,000S CAUGHT AND RELEASED ON 24 JAN 2018.
Branchinecta lynchi	vernal pool fairy shrimp	SITE WAS HISTORICALLY (SINCE AT LEAST 1937) DISKED; HAS ONLY BEEN GRAZED OVER THE PAST SEVERAL YEARS. 6 CYSTS FOUND IN POOL #3 (PRESUMED TO BE BRANCHINESTA LYNCHI, SINCE THAT IS THE ONLY MEMBER OF THAT GENUS KNOWN TO OCCUR IN THIS AREA).
Branchinecta lynchi	vernal pool fairy shrimp	30 ADULTS OBSERVED ON 22 JAN 1997.
Branchinecta lynchi	vernal pool fairy shrimp	OBSERVED IN CONSTRUCTED VERNAL POOLS IN 1995. NO B. LYNCHI OBSERVED, BUT L. OCCIDENTALIS PRESENT, 1996 & 1997. DETECTED ON 16 FEB 2010 AND 3 MAR 2011.
Branchinecta lynchi	vernal pool fairy shrimp	4 COLLECTED ON 16 DEC 1998 (CASIZ #121244). HUNDREDS OBSERVED ON 22 DEC 1998.
Branchinecta lynchi	vernal pool fairy shrimp	100'S OBSERVED IN 1998.
Branchinecta lynchi	vernal pool fairy shrimp	TENS OF ADULTS OBSERVED ON 9 MAR 2001; COLLECTION DEPOSITED AT CAS (CASIZ #158791).
Branchinecta lynchi	vernal pool fairy shrimp	VPFS NUMBERING IN THE 10'S OBSERVED ON 11 FEB 2000 (2 FEMALES) AND ON 25 FEB 2000 (2 MALES) IN VERNAL POOL #VP42. 8 MAR 2001: 1 MALE OBSERVED WITHIN POOL #42.
Branchinecta lynchi	vernal pool fairy shrimp	MANY OBSERVED ON 10 FEB AND 16 MAR 1995; 8 VOUCHERS COLLECTED, IN CAS (CASIZ #102856 AND 102858). HUNDREDS OBSERVED ON 22 JAN 1996, COLLECTED 16 FEB 1996 (CASIZ #106746).
Branchinecta lynchi	vernal pool fairy shrimp	23 CYSTS (20 INTACT) FOUND IN DRY-SEASON SAMPLES TAKEN ON 27 JUN 2014. EXPERT SURVEYOR COULD NOT PROVIDE DEFINITIVE ID, BUT THOUGHT B. LYNCHI WAS MOST LIKELY SPECIES BASED ON LOCATION & TYPE OF POOL.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 1 OF 1 FEATURE SURVEYED ON 12 MAR 1993 (SUGNET RECORD #86). 5 REPRODUCTIVE ADULTS OBSERVED ON 28 FEB 2011.
Branchinecta lynchi	vernal pool fairy shrimp	7 REPRODUCTIVE ADULTS OBSERVED ON 28 FEB 2011.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 2006/2007 AND 2007/2008 WET SEASON SURVEYS. CYSTS COLLECTED 3 JUN 2008 WERE HATCHED, REARED, AND IDENTIFIED AS B. LYNCHI.
Branchinecta lynchi	vernal pool fairy shrimp	TENS OBSERVED ON 10 FEB 2005.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 1 BASIN DURING 2007-2008 WET SEASON SAMPLING.
Branchinecta lynchi	vernal pool fairy shrimp	BRANCHIOPOD CYSTS COLLECTED ON 27 JUL 2007 WERE IDENTIFIED AS BRANCHINECTA LYNCHI AND ACCESSIONED TO CAS (CASIZ #175319).
Branchinecta lynchi	vernal pool fairy shrimp	RARE (ONLY 1 OR 2 DIPNETTED) IN SW3 ON 11 FEB 2010.
Branchinecta lynchi	vernal pool fairy shrimp	DETECTED IN 3 ADJACENT BASINS, 25 FEB 2008.1S TO 10 DETECTED IN 3 ADJACENT BASINS, 29 JAN - 25 FEB 2010.
Branchinecta lynchi	vernal pool fairy shrimp	HUNDREDS DETECTED ON 17 JAN 2011.
Branchinecta lynchi	vernal pool fairy shrimp	ABOUT 200 ADULTS & 50 JUVENILES FOUND IN POOL #9 ON 8 JAN 2007; OF 10 VOUCHERS COLLECTED, 9 ARE IN CAS (CASIZ #174967). NONE FOUND IN POOL 32 DURING WET SURVEY, BUT1000S OF CYSTS DETECTED ON 27 JUL 2007; 25 IDENTIFIED IN CAS (CASIZ#175318).

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SNAME	CNAME	GENERAL
Branchinecta lynchi	vernal pool fairy shrimp	KOFORD OBSERVED B. LYNCHI DURING SURVEY IN SPRING OF 1992; LINDERIELLA OCCIDENTALIS ALSO OBSERVED.
Branchinecta lynchi	vernal pool fairy shrimp	<10 ADULTS OBSERVED IN POND, NO VOUCHER SPECIMENS TAKEN.
Branchinecta lynchi	vernal pool fairy shrimp	1996: POOL #229: <50 ADULTS OBSERVED IN POOL; SURFACE AREA=1,177 SQ. METERS, WATER DEPTH=28.0 CM. 1998: 100'S OBSERVED IN POOL #228; SURFACE AREA=10 M X 16 M, DEPTH=18 CM.
Branchinecta lynchi	vernal pool fairy shrimp	1996: <50 ADULTS OBSERVED IN POOL #222; SURFACE AREA=574 SQ METERS, WATER DEPTH=32.0 CM, TEMPERATURE= 11.5 DEGREES C, CONDUCTIVITY=75.80, TURBIDITY WAS LOW. LINDERIELLA ALSO PRESENT IN POOL AND IN SURROUNDING AREAS.
Branchinecta lynchi	vernal pool fairy shrimp	MANY SHRIMP OBSERVED/COLLECTED (DEPOSITED AT CAS) ON 28 DECEMBER 1994.
Branchinecta lynchi	vernal pool fairy shrimp	FOUND IN 5 SMALL POOLS OF 67 SAMPLED ON 29 MAR 2018; POOLS MAY HAVE BEEN INOCULATED.
Lepidurus packardi	vernal pool tadpole shrimp	LEPIDURUS PACKARDI OBSERVED IN THE 2 FEATURES INSPECTED. SUGNET RECORD #185. NO B. LYNCHI OBSERVED.
Lepidurus packardi	vernal pool tadpole shrimp	LEPIDURUS PACKARDI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #186. B. LYNCHI ALSO OBSERVED.
Lepidurus packardi	vernal pool tadpole shrimp	10 CYSTS WERE FOUND IN THE SURVEYS IN JUNE AND JULY, 1998.
Lepidurus packardi	vernal pool tadpole shrimp	USAF: CARAPACES FOUND, 1994; 1 ADULT FOUND, 1995; 100S IN 4 POOLS, 2 COLLECTED (CASIZ#106745) 15 FEB 1996; 0 FOUND DEC 2009. WPCB: FOUND IN >25 POOLS, 2006; 50 IN 10 POOLS, 2009; >100 IN 8 POOLS, 3 FEB 2011; >100 IN 2 POOLS 11 FEB 2013.
Lepidurus packardi	vernal pool tadpole shrimp	FOUND IN 1 POOL ON 4 FEB 1993. FOUND IN 1 OF 14 BASINS SAMPLED FEB-MAR 1995; 3 COLLECTED (CASIZ #103128). FWS 5-YEAR PLAN DESCRIBED OCCURRENCE AS LIKELY EXTIRPATED IN 2007 (P. BALFOUR, PERS. COMM.)
Lepidurus packardi	vernal pool tadpole shrimp	1 CYST IDENTIFIED FROM SOIL SAMPLED ON 23 MAR 2002.
Lepidurus packardi	vernal pool tadpole shrimp	4-6 ADULTS OBSERVED. 1 COLLECTED FOR PERSONAL COLLECTION.
Lepidurus packardi	vernal pool tadpole shrimp	>50 ADULTS OBSERVED OF LEPIDURUS PACKARDI AND LINDERIELLA OCCIDENTALIS.
Emys marmorata	western pond turtle	2 TURTLES SEEN AT ONE SITE AND AN UNKNOWN NUMBER SEEN AT A NEARBY BASKING SITE DURING A FEBRUARY TO JUNE FAIRY SHRIMP SURVEY.
Gonidea angulata	western ridged mussel	5 COLLECTED ON UNKNOWN DATE, LIKELY A HISTORICAL OCCURRENCE.
Spea hammondii	western spadefoot	30+ METAMORPHS OBSERVED IN A DRYING INTERMITTENT DRAINAGE, 1990.
Spea hammondii	western spadefoot	MULTIPLE INDIVIDUALS FOUND ALONG ROAD AND HEARD CALLING FROM SOUTH OF ROAD ON 5 MAR 2016.
Spea hammondii	western spadefoot	HEARD CALLING FROM ROAD ON 5 MAR 2016.
Spea hammondii	western spadefoot	SPADEFOOTS HEARD CALLING FROM ROAD ON 5 MAR 2016.
Spea hammondii	western spadefoot	5 JUVENILES (3 DEAD) AND 3 ADULTS (2 DEAD) FOUND ON ROAD ON 5 MAR 2016.
Spea hammondii	western spadefoot	ONE POOL SUPPORTED <10 TADPOLES AND THE OTHER SUPPORTED 50-100 TADPOLES ON 23 APR 2004. TOADS CAPTURED WITH A DIPNET, NONE COLLECTED.
Spea hammondii	western spadefoot	5 TADPOLES OBSERVED ON 19 MAR 1994. 12-24 LARVAE OBSERVED ON 13 APR 2018; OBSERVED SWIMMING AND RESTING. LARVAE ANECDOTALLY REPORTED AS PRESENT IN "MANY YEARS" BETWEEN 1994 AND 2018
Spea hammondii	western spadefoot	1 POSSIBLY GRAVID ADULT FEMALE FOUND ALIVE ON ROAD ON 5 MAR 2016.
Spea hammondii	western spadefoot	2 JUVENILES FOUND ON ROAD ON 5 MAR 2016.
Spea hammondii	western spadefoot	1 JUVENILE FOUND DEAD ON ROAD ON 5 MAR 2016.
Spea hammondii	western spadefoot	SEVERAL TADPOLES OBSERVED, 1991.
Spea hammondii	western spadefoot	1 ADULT FOUND CROSSING THE ROAD.
Coccyzus americanus occidentalis	western yellow-billed cuckoo	FOUND BREEDING IN VICINITY OF SACRAMENTO BETWEEN 6 JUN AND 4 JUL 1877.
Elanus leucurus	white-tailed kite	1 NEST OBSERVED FROM FEB-JUN 1995 DURING A FAIRY SHRIMP SURVEY; NESTING SUCCESS UNKNOWN.
Elanus leucurus	white-tailed kite	NEST OBSERVED ON 1 JUL 2002, DURING NEST-BUILDING STAGE; SITE REVISITED SEVERAL TIMES, BUT NO EVIDENCE OF NESTLINGS EVER OBSERVED.
Elanus leucurus	white-tailed kite	NEST-BUILDING OBSERVED ON 25 JUN 2002; SITE REVISITED THROUGHOUT THE NESTING SEASON, BUT THERE WAS NO EVIDENCE OF NESTLINGS OR FLEDGLINGS (PRESUMABLY A FAILED NESTING ATTEMPT).
Elanus leucurus	white-tailed kite	THIS SITE WAS ALSO OCCUPIED IN 2001. NEST FAILED DURING THE NESTLING STAGE IN 2002, POSSIBLY DUE TO HEAVY RAIN AND WIND; THE PAIR BUILT SEVERAL REPLACEMENT NESTS WHICH NEVER REACHED INCUBATION STAGE.
Elanus leucurus	white-tailed kite	NEST BUILDING OBSERVED ON 25 JUN 2002; SITE REVISITED SEVERAL TIMES, BUT NO EVIDENCE OF NESTLINGS OR FLEDGLINGS OBSERVED, SO NEST PRESUMED TO HAVE FAILED.
Elanus leucurus	white-tailed kite	NESTING OBSERVED ON 25 JUN 2002; NESTING SUCCESSFUL WITH 2 YOUNG FLEDGED.
Elanus leucurus	white-tailed kite	NEST BUILDING OBSERVED ON 11 JUL 2002; SITE REVISITED SEVERAL TIMES, BUT NO EVIDENCE OF NESTLINGS OR FLEDGLINGS OBSERVED, SO NEST PRESUMED TO HAVE FAILED.
Elanus leucurus	white-tailed kite	NESTING OBSERVED ON 25 JUN 2002; NESTING SUCCESSFUL WITH 2 YOUNG FLEDGED.
Elanus leucurus	white-tailed kite	SITE WAS VISITED WEEKLY, MAR-JUL 1998; ADULT COURTSHIP TO 5 BEGGING FLEDGLINGS OBSERVED. KITES DID NOT NEST AT THIS LOCATION IN 1999, POSSIBLY DUE TO BOTH GREAT HORNED OWLS AND AMERICAN KESTRELS NESTING NEARBY.
Elanus leucurus	white-tailed kite	NEST WITH 2 ADULTS OBSERVED ON 26 MAY 1992; 2 YOUNG OBSERVED IN NEST DURING A SUBSEQUENT VISIT.
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	ABOUT 500 PLANTS OBSERVED ON WEST SIDE OF CANAL IN 2015. ADDITIONAL PLANTS MAY ALSO BE PRESENT ON EASTERN SIDE OF CANAL.

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SNAME	CNAME	THREAT	THREATLIST
Juncus leiospermus var. ahartii	Ahart's dwarf rush	MUCH DISTURBANCE BY ORVS, RECENT ROAD CONSTRUCTION, CATTLE GRAZING, AND NEARBY DEVELOPMENT.	Development; Grazing; ORV activity; Road/trail construction/maint.
Alkali Meadow	Alkali Meadow	GRAZED IN WINTER. DEVEL PLANNED FOR THE AREA.	Grazing
Alkali Seep	Alkali Seep	GRAZED IN WINTER. DEVELOPMENT PLANS FOR SITE.	Grazing; Vandalism/dumping/litter
Andrena subapasta	An andrenid bee		
Andrena subapasta	An andrenid bee		
Riparia riparia	bank swallow		
Riparia riparia	bank swallow		
Balsamorhiza macrolepis	big-scale balsamroot		
Balsamorhiza macrolepis	big-scale balsamroot	MUCH OF THIS AREA HAS BEEN DEVELOPED SINCE THE COLLECTIONS WERE MADE.	Development
Nycticorax nycticorax	black-crowned night heron	POTENTIAL THREAT OF CONVERSION TO AGRICULTURE.	Agriculture
Nycticorax nycticorax	black-crowned night heron	AREA IS INCLUDED WITHIN THE OVERALL "SUTTER BAY" PROJECT; THUS, SITE IS THREATENED BY FUTURE DEVELOPMENT.	Development
Gratiola heterosepala	Boggs Lake hedge-hyssop	IN 1977 VISIT, SITE HAD BEEN PLOWED, HARROWED, AND LEVELED OBVIOUSLY IN PREPARATION FOR HOUSING DEVELOPMENT.	Development
Gratiola heterosepala	Boggs Lake hedge-hyssop	AREA GRAZED AND PROPOSED FOR REGIONAL SHOPPING CENTER. 2009 AERIAL IMAGERY SHOWS SITE EXTIRPATED BY DEVELOPMENT.	Development; Grazing
Gratiola heterosepala	Boggs Lake hedge-hyssop	AREA GRAZED. LINCOLN AREA GROWING RAPIDLY; PROPERTY FOR SALE IN 1989.	Development; Grazing
Gratiola heterosepala	Boggs Lake hedge-hyssop	LAND USE FOR LIVESTOCK, DEVELOPMENT.	Development; Grazing
Gratiola heterosepala	Boggs Lake hedge-hyssop	RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	Development
Athene cunicularia	burrowing owl		
Athene cunicularia	burrowing owl	POSSIBLE THREAT FROM A PROPOSED ENERGY FACILITY.	Development
Athene cunicularia	burrowing owl	FALLOW FIELDS TO THE WEST HAVE BEEN DEVELOPED (RESIDENTIAL DEVELOPMENT).	Development
Athene cunicularia	burrowing owl	DEVELOPMENT, AND SRCSD 2007 UPPER NW INTERCEPTOR PROJECT DURING BREEDING SEASON; BURROWS CLOSED IN 2007 FOR PROJECT.	Development
Athene cunicularia	burrowing owl	THREATENED BY HUMAN DISTURBANCE, NON-NATIVE PREDATORS, PESTICIDES, WATER POLLUTION, & CONSTRUCTION BY SRCSD (2007).	Biocides; Non-native animal impacts; Other; Pollution; Recreational use (non-ORV)
Athene cunicularia	burrowing owl	THREATS INCLUDE POSSIBLE FUTURE DEVELOPMENT OR LOSS OF GRAZERS.	Development; Other
Athene cunicularia	burrowing owl	BURROW FOUND CRUSHED BY SOMEONE'S FOOT IN FEB 2007. BURROWS CLOSED FOR SRCSD UPPER NW INTERCEPTOR PROJECT IN 2007.	Development; Recreational use (non-ORV)
Athene cunicularia	burrowing owl	THREATENED BY THE CONSTRUCTION OF THE UPPER NW INTERCEPTOR PROJECT BY THE SRCSD DURING THE 2007 BREEDING SEASON.	Other
Athene cunicularia	burrowing owl		
Athene cunicularia	burrowing owl	DEVELOPMENT WILL EVENTUALLY BE COMPLETED AND THE BURROWING OWLS WILL BE EVICTED. POSSIBLY THREATENED BY DOMESTIC PETS.	Development; Non-native animal impacts
Athene cunicularia	burrowing owl	PROXIMITY TO ROADS (POTENTIAL FOR VEHICLE COLLISIONS).	Vehicle collisions
Athene cunicularia	burrowing owl	THREATENED BY HOUSING DEVELOPMENTS IN NATOMAS BASIN.	Development
Athene cunicularia	burrowing owl	DEVELOPMENT LISTED BY HOWE AS A POTENTIAL THREAT.	Development
Athene cunicularia	burrowing owl		
Athene cunicularia	burrowing owl	POSSIBLE THREAT FROM EARTH-MOVING EQUIPMENT.	Other
Athene cunicularia	burrowing owl		
Athene cunicularia	burrowing owl	THREATENED BY ENCROACHING URBAN DEVELOPMENT FROM BOTH LINCOLN & ROSEVILLE.	Development
Athene cunicularia	burrowing owl	THREATENED BY DOMESTIC PETS (PARTICULARLY HOUSE CATS), AND DEVELOPMENT OF SURROUNDING HABITAT.	Development; Other
Athene cunicularia	burrowing owl		
Athene cunicularia	burrowing owl	VEHICLE COLLISIONS.	Vehicle collisions
Athene cunicularia	burrowing owl		
Athene cunicularia	burrowing owl	THREATENED BY ONGOING DEVELOPMENT.	Development
Athene cunicularia	burrowing owl	THREATENED BY AIRPORT LANDSCAPE, VEGETATION, AND SERVICE ROAD MAINTENANCE ACTIVITIES.	Other; Road/trail construction/maint.
Linderiella occidentalis	California linderiella	THREATENED BY SURROUNDING DEVELOPMENT (GOLF COURSES AND RESIDENTIAL DEVELOPMENT).	Development
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	FUTURE RESIDENTIAL DEVELOPMENT PLANNED IN ADJACENT AREA; DIRT ROADS BISECT PRESERVE; GRAZING; RODEO GROUNDS TO THE NW.	Development; Grazing; Other
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	POTENTIAL DEVELOPMENT.	Development
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	EXPANSION OF BASE FACILITIES; MODIFICATION OF WATERSHED; AIRCRAFT REPAIR; LIGHT INDUSTRIAL; RESIDENTIAL; COMMERCIAL.	Development; Other
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	DISKING OF POOLS; POSSIBLE HERBICIDE RUNOFF FROM ANTENNA PADS; AGRICULTURE-CATTLE & SHEEP GRAZING, RICE FARMING NEARBY.	Agriculture; Biocides; Grazing
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	THREATENED BY DEVELOPMENT AS A HIGH SCHOOL.	
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	Other
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	FUTURE HIGHWAY EXPANSION OR REALIGNMENT.	Road/trail construction/maint.
Linderiella occidentalis	California linderiella	CATTLE GRAZING; RICE FARMING.	Agriculture; Grazing
Linderiella occidentalis	California linderiella	GRAZING; POTENTIAL WIDENING OF ELKHORN BLVD OR REMOVAL OF SOIL FOR FILL OR AGRCULTURAL DEVELOPMENT.	Agriculture; Development
Linderiella occidentalis	California linderiella	ADJACENT LANDOWNERS WANT LEVEL LAND FOR AGRICULLURE AND SELL SURFACE MATERIAL FOR SACRAMENTO METRO AIRPORT DEVELOPMENT.	Agriculture; Development
Linderiella occidentalis	California linderiella	FARMING ON SITE; POSSIBILITY THAT OWNER WILL GRADE SITE TO FACILITATE IRRIGATION FOR GROWING MORE INTENSIVE CROPS (HAY).	Agriculture; Other
Linderiella occidentalis	California linderiella	ILLEGAL DUMPING; FUTURE EXPANSION OF EAST LEVEE.	Development; Vandalism/dumping/litter
Linderiella occidentalis	California linderiella		
Linderiella occidentalis	California linderiella	SOME GRAZING.	Grazing
Linderiella occidentalis	California linderiella	SOME CATTLE GRAZING, RICE FARMING NEARBY.	Grazing
Linderiella occidentalis	California linderiella	PREDATION BY HYLA TADPOLES; COMPETITION PRESSURE FROM AQUATIC INSECTS; HEAVY VEHICLE USE ON SITE.	ORV activity; Other
Linderiella occidentalis	California linderiella	DEVELOPMENT; MILITARY USES; COMMERCIAL AND LIGHT INDUSTRIAL; RESIDENTIAL.	Development; Other
Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	HYBRIDIZATION W/FALL-RUN & HATCHERY FISH. GRAVEL MINING, AGRICULTURAL DIVERSIONS, NON-NATIVE PREDATORS (2004).	Dam/Inundation; Hybridization; Mining; Non-native animal impacts; Surface water diversion
Branchinecta conservatio	Conservancy fairy shrimp		
Downingia pusilla	dwarf downingia	HEAVY CATTLE GRAZING.	Grazing
Downingia pusilla	dwarf downingia	SITE IS GRAZED BY CATTLE AND HAS BEEN LEVELED AND DISKED IN THE PAST. SITE MAY BE DEVELOPED IN THE FUTURE.	Agriculture; Development
Downingia pusilla	dwarf downingia	AREA GRAZED, BUT LITTLE DISTURBANCE. PARCEL TO EAST BEING DEVELOPED.	Grazing
Downingia pusilla	dwarf downingia	SITE GRAZED AND RUTTED BY VEHICLE TRACKS. ROSEVILLE PLANS TO RETAIN AS URBAN RESERVE, BUT DEVELOPMENT SURROUNDS.	
Downingia pusilla	dwarf downingia	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	Development; Erosion/runoff; Grazing

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Downingia pusilla	dwarf downingia	SITE IS CURRENTLY GRAZED BY CATTLE. GENERAL AREA IS BEING DEVELOPED RAPIDLY.	Development; Grazing
Downingia pusilla	dwarf downingia	DEVELOPMENT.	Development
Downingia pusilla	dwarf downingia	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	Development; Erosion/runoff; Grazing
Downingia pusilla	dwarf downingia	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	Development; Erosion/runoff; Grazing
Downingia pusilla	dwarf downingia	W POLYGON: SITE GRAZED, EXTIRPATED BY HOUSING DEVELOPMENT ACCORDING TO 2017 AERIAL IMAGERY.	Development; Grazing
Downingia pusilla	dwarf downingia	LIGHT GRAZING.	Grazing
Downingia pusilla	dwarf downingia	GRAZING, DISKING OF POOLS, AND POSSIBLE HERBICIDE RUNOFF FROM ANTENNA PADS.	Biocides; Disking; Grazing
Downingia pusilla	dwarf downingia	IN 2006 DEVELOPMENT WAS PLANNED FOR THIS SITE. HEAVY HORSE GRAZING WAS NOTED IN 2005.	Development; Grazing
Downingia pusilla	dwarf downingia	MAY HAVE BEEN DISKED IN THE PAST; NO PRESENT DISTURBANCES.	Agriculture
Downingia pusilla	dwarf downingia	AGRICULTURE; SITE IS USED FOR A MIXED SPECIES FORAGE CROP (HAY).	Agriculture; Development
Downingia pusilla	dwarf downingia		
Downingia pusilla	dwarf downingia		
Downingia pusilla	dwarf downingia	AREA GRAZED. LINCOLN AREA IS GROWING RAPIDLY.	Development; Grazing
Downingia pusilla	dwarf downingia	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	Development; Erosion/runoff; Grazing
Downingia pusilla	dwarf downingia	THREATENED BY RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	Development
Downingia pusilla	dwarf downingia		
Downingia pusilla	dwarf downingia	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	Development; Erosion/runoff; Grazing
Downingia pusilla	dwarf downingia	HUMAN VISITATION, FERAL ANIMALS, RUNOFF FROM SURROUNDING HOMES.	Erosion/runoff; Foot traffic/trampling; Other
Downingia pusilla	dwarf downingia	THREATENED BY RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	Development
Downingia pusilla	dwarf downingia	THREATENED BY RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	Development
Downingia pusilla	dwarf downingia		
Thamnophis gigas	giant gartersnake	AG OPERATIONS, GRAZING, VEHICLE/EQUIPMENT TRAFFIC, DEVELOPMENT, FLOODING, VEG CONTROL, INTRODUCED PREDATORS, POLLUTION.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Grazing; Non-native animal impacts; Other; Pollution; Vehicle collisions
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other; Pollution; Road/trail construction/maint.; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	AGRICULTURE, FLOOD CONTROL/WETLAND RECLAMATION, URBANIZATION, FLOODING, INTRODUCED PREDATOR, PEST CONTROL, POLLUTION.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake	GENERALLY THREATENED BY AGRICULTURE, URBANIZATION, FLOODING, POLLUTION, WETLAND RECLAMATION, & PEST CONTROL.	Agriculture; Altered flood/tidal/hydrologic regime; Biocides; Development; Other; Pollution; Road/trail construction/maint.
Thamnophis gigas	giant gartersnake	FLOODING, VEG CONTROL/MTNCE, INTRODUCED PREDATORS, POLLUTION, DEVELOPMENT, AG ACTIVITIES VEHICLE/FARM EQUIP TRAFFIC.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	FLOODING, DROUGHT, VEG CTRL/MTNCE, POLLUTION, DEVELOPMT, INTRODUCED PREDATORS, AG ACTIVITIES (VEHICLE/EQUIPMT TRAFFIC).	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, WATER MGMT, VEGETATION CONTROL AND MAINTENANCE ACTIVITIES, AND INTRODUCED PREDATORS.	Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	FLOODING, DROUGHT, DEVELOPMENT, POLLUTION, VEG CONTROL, NON-NATIVE PREDATORS, MAINTENANCE ACTIVITIES, & AGRICULTURE.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	MAIN THREAT IS HABITAT DESTRUCTION OF CANALS, THEIR BANKS, AND SUPPORTING BERMS AND LEVEES. ALSO ROAD TRAFFIC.	Other; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	FLOOD CONTROL/WETLAND RECLAMATION, URBANIZATION, FLOODING, INTRODUCED PREDATOR, PEST CONTROL, POLLUTION.	Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	FLOOD CONTROL/WETLAND RECLAMATION; URBANIZATION; FLOODING; INTRODUCED PREDATORS; PEST CONTROL; POLLUTION.	Development; Grazing; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake	NEW DEVELOPMENT ON AIRPORT PROPERTY (TO THE SOUTH) RAPIDLY ENCROACHING.	Development; Other
Thamnophis gigas	giant gartersnake	FLOOD CONTROL/WETLAND RECLAMATION; URBANIZATION; FLOODING; INTRODUCED PREDATORS; PEST CONTROL; POLLUTION.	Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	FLOOD CONTROL/WETLAND RECLAMATION; URBANIZATION; FLOODING; INTRODUCED PREDATORS; PEST CONTROL; POLLUTION.	Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake	WIDENING OF HIGHWAY 99E WILL AFFECT DITCH.	Road/trail construction/maint.
Thamnophis gigas	giant gartersnake	FLOOD CONTROL/WETLAND RECLAMATION; URBANIZATION; FLOODING; INTRODUCED PREDATORS, PEST CONTROL; POLLUTION.	Dam/Inundation; Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	1986: ENCROACHING DEVELOPMENT TO THE EAST; FLOOD CONTROL; INTRODUCED PREDATOR; PEST CONTROL; POLLUTION.	Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake	AGRICULTURE; DEVELOPMENT; FLOOD CONTROL/WETLAND RECLAMATION; INTRODUCED PREDATOR; PEST CONTROL; POLLUTION.	Agriculture; Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake	FLOODING, VEGETATION CONTROL, MAINTENANCE ACTIVITIES. AGRICULTURAL ACTIVITIES, VEHICLE AND FARM EQUIPMENT TRAFFIC.	Agriculture; Altered flood/tidal/hydrologic regime; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	FLOOD CONTROL/WETLAND RECLAMATION, URBANIZATION, FLOODING, INTRODUCED PREDATORS, PEST CONTROL, VEHICLES, & POLLUTION.	Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other; Pollution; Vehicle collisions
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	FLOODING, VEGETATION CONTROL/MAINTENANCE, AG ACTIVITIES (VEHICLE & FARM EQUIPMENT TRAFFIC), POLLUTION, & INTRODUCED SP.	Agriculture; Altered flood/tidal/hydrologic regime; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, WATER MGMT, AGRICULTURE, VEG CONTROL & MAINTENANCE ACTIVITIES, INTRODUCED PREDATORS, TRAFFIC.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	VEHICLES, URBANIZATION, WATER QUALITY & MGMT, FLOODING, VEG CONTROL & MAINTENANCE ACTIVITIES, INTRODUCED PREDATORS.	Development; Non-native animal impacts; Other; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	FLOOD CONTROL/WETLAND RECLAMATION; URBANIZATION; FLOODING; INTRODUCED PREDATORS; PEST CONTROL; POLLUTION.	Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake	FLOODING, VEG CONTROL/MTNCE, INTRODUCED PREDATORS, POLLUTION, DEVELOPMENT, AG ACTIVITIES VEHICLE/FARM EQUIP TRAFFIC.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	FLOODING, VEG CONTROL/MTNCE, INTRODUCED PREDATORS, POLLUTION, DEVELOPMENT, AG ACTIVITIES VEHICLE/FARM EQUIP TRAFFIC.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	FLOODING, VEGETATION CONTROL, MAINTENANCE & AGRICULTURAL ACTIVITIES, VEHICLE TRAFFIC, POLLUTION & INTRODUCED PREDATORS.	Agriculture; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake	FLOODING, VEGETATION CONTROL, MAINTENANCE & AGRICULTURAL ACTIVITIES (VEHICLE AND FARM EQUIPMENT TRAFFIC), & POLLUTION.	Agriculture; Altered flood/tidal/hydrologic regime; Pollution; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	PROPOSED DEVELOPMENT, LACK OF WATER, FLOODING, VEGETATION CONTROL & MAINTENANCE ACTIVITIES, AND INTRODUCED PREDATORS.	Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	VEHICLES, URBANIZATION, FLOODING, WATER MANAGEMENT, VEGETATION CONTROL AND MAINTENANCE ACTIVITIES, INTRODUCED PREDATORS.	Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other; Vehicle collisions
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, WATER MANAGEMENT, VEGETATION CONTROL AND MAINTENANCE ACTIVITIES, INTRODUCED PREDATORS.	Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	URBANIZATION, AGRICULTURE, FLOODING, WATER MANAGEMENT, VEGETATION CONTROL & MAINTENANCE, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other
Thamnophis gigas	giant gartersnake	1998: AG, DEVELOPMENT, FLOOD CONTROL/WETLAND RECLAMATION, FLOODING, INTRODUCED PREDATOR, PEST CONTROL, POLLUTION.	Agriculture; Development; Non-native animal impacts; Other; Pollution
Thamnophis gigas	giant gartersnake	THREAT CONSISTS OF BANK MAINTENANCE, VEGETATION CONTROL AND VEHICULAR TRAFFIC.	Other; Road/trail construction/maint.
Thamnophis gigas	giant gartersnake	POSSIBLE THREAT FROM DITCH & ROAD MAINTENANCE.	Other; Road/trail construction/maint.
Thamnophis gigas	giant gartersnake	POSSIBLE THREAT FROM DITCH AND ROAD MAINTENANCE.	
Thamnophis gigas	giant gartersnake	AG MAINTENANCE (VEHICLE/EQUIPMENT TRAFFIC), FLOODING, DEVELOPMENT, DROUGHT, VEG CONTROL, POLLUTION, & INTRODUCED SP.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	AGRICULTURAL/MAINENANCE OPERATIONS, LIGHT VEHICLE AND FARM EQUIPMENT TRAFFIC.	Agriculture; Vehicle collisions
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CNTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	FLOODING, VEGETATION CONTROL, MAINTENANCE & AGRICULTURAL ACTIVITIES, VEHICLE TRAFFIC, POLLUTION & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Road/trail construction/maint.; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	FLOOD CONTROL; URBANIZATION; FLOODING; INTRODUCED PREDATORS; PEST CONTROL; POLLUTION (1996). TRAFFIC (2017).	Development; Non-native animal impacts; Other; Pollution; Vehicle collisions
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	POSSIBLE THREAT OF URBAN DEVELOPMENT.	Development
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	TRAFFIC, URBANIZATION, WATER QUALITY/MANAGEMENT, FLOODING, VEGETATION CONTROL/MAINTENANCE, INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Degraded water quality; Development; Non-native animal impacts; Vehicle collisions
Thamnophis gigas	giant gartersnake	FLOODING, VEGETATION CONTROL, MAINTENANCE ACTIVITIES. AGRICULTURAL ACTIVITIES, VEHICLE AND FARM EQUIPMENT TRAFFIC.	Agriculture; Altered flood/tidal/hydrologic regime; Road/trail construction/maint.; Vehicle collisions
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	THREATENED BY ROUTINE MAINTENANCE OF THE VEGETATION ALONG THE SLOUGH.	
Thamnophis gigas	giant gartersnake	MODERATE VEHICULAR TRAFFIC.	Vehicle collisions
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CNTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, DROUGHT, WATER MGMT, POLLUTION, VEG CNTRL, BANK MAINTENANCE, AG/TRAFFIC, & INTRODUCED PREDATORS.	Agriculture; Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Pollution; Vehicle collisions; Waterway bank protection/maintenance
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	URBANIZATION, FLOODING, WATER MANAGEMENT, VEGETATION CONTROL AND MAINTENANCE ACTIVITIES, INTRODUCED PREDATORS.	Altered flood/tidal/hydrologic regime; Development; Non-native animal impacts; Other
Thamnophis gigas	giant gartersnake		
Thamnophis gigas	giant gartersnake	THREATENED BY VEGETATION DISTURBANCE IN CANALS AND SUPPORTING LEVEES AND BERMS.	Other
Thamnophis gigas	giant gartersnake	MAIN THREAT IS DISTURBANCE ALONG CANALS, THEIR BANKS, AND THEIR SUPPORTING LEVEES OR BERMS.	Other
Thamnophis gigas	giant gartersnake	1990: THREATENED BY A PROPOSED RESIDENTIAL AND GOLF COURSE DEVELOPMENT.	Development
Ammodramus savannarum	grasshopper sparrow	THREATENED BY LOSS OF AREA AND HIGH PROBABILITY OF INVASION BY STAR THISTLE AND OTHER WEEDY PLANTS (BY LOSS OF GRAZING).	Non-native plant impacts; Other

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SNAME	CNAME	THREAT	THREATLIST
Ardea herodias	great blue heron		Development
Ardea herodias	great blue heron		
Ardea herodias	great blue heron		
Ardea alba	great egret	POTENTIAL THREAT OF CONVERSION TO AGRICULTURE.	Agriculture
Ardea alba	great egret		
Ardea alba	great egret		
Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	ADJACENT TO AGRICULTURE.	Agriculture
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	GRAZING REMOVED BY 1991, FILL HAD BEEN DUMPED ON SITE IN 1989; SUBSEQUENTLY REMOVED TO RESOLVE WETLANDS VIOLATIONS.	Grazing; Other
Legenere limosa	legenere		
Legenere limosa	legenere	PART OF AREA PLANNED FOR INDUSTRIAL PARK USE (AREA GRADED IN 1983). GRAVEL PIT TO SOUTH.	Development; Mining
Legenere limosa	legenere	LIGHT DISTURBANCE FROM GRAZING.	Grazing
Legenere limosa	legenere	SITE TO BE DEVELOPED, WETLAND DISKED/MOWED ANNUALLY FOR FIRE BREAK; "DIRT-BIKE" USE & REFUSE DUMPING ALSO IMPACT.	Development; Disking; ORV activity; Vandalism/dumping/litter
Legenere limosa	legenere	DEVELOPMENT IS PLANNED FOR THIS SITE (1991). SITE DEVELOPED BY 1997.	Development
Legenere limosa	legenere	NO VISIBLE THREATS AT THE TIME OF SURVEY.	
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	MODERATELY GRAZED, EROSION THREATENING ONE POOL.	Grazing
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	THREAT OF INDUSTRIAL DEVELOPMENT.	
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool		
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool		
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool		
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool		
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool		
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool		
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool		
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	PROPOSED FOR REGIONAL SHOPPING CENTER.	
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	ROSEVILLE PORTION ZONED FOR AGRICULTURE W/2 AC MIN IN 1977 GENERAL PLAN.	Agriculture; Development
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	BOTH AREAS ZONED FOR AGRICULTURE.	
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	ZONED AS RESIDENTIAL IN 1977 ROSEVILLE GENERAL PLAN.	
Antrozous pallidus	pallid bat	DEMOLITION OF STRUCTURE HOUSING ROOST SITE.	Other; Road/trail construction/maint.
Navarretia myersii ssp. myersii	pincushion navarretia		
Progne subis	purple martin		
Progne subis	purple martin		
Progne subis	purple martin		
Progne subis	purple martin		
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	THREATS INCLUDE HOUSING OR LIGHT INDUSTRY DEVELOPMENT.	Development
Hydrochara rickseckeri	Ricksecker's water scavenger beetle		
Pogonichthys macrolepidotus	Sacramento splittail		
Sagittaria sanfordii	Sanford's arrowhead	URBAN RUNOFF.	Erosion/runoff
Sagittaria sanfordii	Sanford's arrowhead	HERBICIDE SPRAYING AND CHANNEL MAINTENANCE.	Biocides; Other
Sagittaria sanfordii	Sanford's arrowhead	DISTURBED BY 2011 BRIDGE REPLACEMENT. THREATENED BY NON-NATIVE PLANTS, POSSIBLE DITCH MAINTENANCE, OR DEVELOPMENT.	Development; Non-native plant impacts; Waterway bank protection/maintenance
Sagittaria sanfordii	Sanford's arrowhead	SITE SURROUNDED BY NEW DEVELOPMENT. NORTH COLONY OBLITERATED BY EARTHMOVING EQUIPMENT.	Development
Sagittaria sanfordii	Sanford's arrowhead		
Sagittaria sanfordii	Sanford's arrowhead		
Egretta thula	snowy egret	POTENTIAL THREAT OF CONVERSION TO AGRICULTURE.	Agriculture
Melospiza melodia	song sparrow ("Modesto" population)	DEVELOPMENT HAS REPLACED MUCH OF THE WETLANDS AND OTHER SUITABLE HABITAT IN THE AREA.	Altered flood/tidal/hydrologic regime; Development; Surface water diversion
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	CHANNELIZATION, DIVERSIONS, POLLUTANTS.	Channelization; Pollution; Surface water diversion
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	REDD SUPERIMPOSITION. POSSIBLE COMPETITION/GENETIC EFFECTS OF HATCHERY ORIGIN (HO) FISH. HABITAT LOSS DUE TO DAMS.	Altered flood/tidal/hydrologic regime; Dam/Inundation; Hybridization; Insufficient population/stand size; Non-native animal impacts; Surface water diversion
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	BANK DESTABILIZATION/EROSION, VEG REMOVAL, CHANNELIZATION, POLLUTION, BARRIERS, LOW FLOWS, URBANIZATION, SILTATION.	Altered flood/tidal/hydrologic regime; Channelization; Degraded water quality; Development; Erosion/runoff; Mining; Pollution; Wood cutting or brush clearing
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	CHANNELIZATION, RESIDUAL IMPACTS OF 1800S PLACER MINING, URBANIZATION, BARRIERS, ALTERED FLOW, POLLUTION, ENTRAINMENT.	Altered flood/tidal/hydrologic regime; Channelization; Dam/Inundation; Degraded water quality; Development; Erosion/runoff; Mining; Pollution
Fritillaria agrestis	stinkbells	PORTION OF SITE SLATED FOR HOUSING DEVELOPMENT. PART DISKED IN 1997.	Agriculture; Development
Fritillaria agrestis	stinkbells	HIGH POTENTIAL FOR DEVELOPMENT.	Development
Fritillaria agrestis	stinkbells	DEVELOPMENT, DISKING.	Development; Disking
Fritillaria agrestis	stinkbells	PARTIALLY A PARKING AREA FOR THE PRODUCE STAND.	Other
Buteo swainsoni	Swainson's hawk	POSSIBLE THREAT FROM HIGH LEVEL OF RECREATIONAL ACTIVITY AT THIS SITE.	Recreational use (non-ORV)
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
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Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	DISTURBANCE FROM BIRDWATCHERS, THREAT FROM ENCROACHING DEVELOPMENT (2011).	Development
Buteo swainsoni	Swainson's hawk	THREATENED BY DEVELOPMENT (2004). 2010 SURVEYOR CITED THREAT FROM FARMING ACTIVITIES (NO SPECIFICS GIVEN).	Development
Buteo swainsoni	Swainson's hawk	THREATENED BY DEVELOPMENT (2004).	Development
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	POSSIBLE THREAT FROM AIRPORT DEVELOPMENT.	Development
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	THREATENED BY DEVELOPMENT; NEST TREE SCHEDULED FOR REMOVAL TO PROVIDE FOR CONSTRUCTION OF EAST COMMERCE WAY.	Development
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
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Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	POSSIBLY THREATENED BY HIGHWAY EXPANSION.	Road/trail construction/maint.; Wood cutting or brush clearing
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	THREATENED BY DEVELOPMENT.	Development
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	THREATENED BY DEVELOPMENT AND THE RESULTING LOSS OF FORAGING HABITAT.	Development

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Buteo swainsoni	Swainson's hawk	THREATENED BY DEVELOPMENT AND THE RESULTING LOSS OF FORAGING HABITAT.	
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	SURROUNDING SUBDIVISIONS & GOLF COURSE IN RIPARIAN CORRIDOR WERE CONSTRUCTED BEGINNING IN 1996. CONTINUING DEVELOPMENT.	Development
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	1992 SURVEYORS CITED POTENTIAL THREAT OF URBAN DEVELOPMENT.	Development
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk		
Buteo swainsoni	Swainson's hawk	THREATENED BY DEVELOPMENT JUST WEST OF THE NEST SITE.	Development
Buteo swainsoni	Swainson's hawk		
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird	DEVELOPMENT.	Development
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird	POTENTIAL THREAT FROM DEVELOPMENT.	
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird	URBAN DEVELOPMENT IN ADJACENT PARCELS.	Development
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird	BLACKBERRIES BEING REMOVED IN 2014, POSSIBLE DEVELOPMENT IN THE FUTURE (GRADING).	
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird	PONTENTIAL THREATS DUE TO HUNTING, LAND USE CHANGE IN SURROUNDING AREA, AND PESTICIDE/HERBICIDE USAGE.	Biocides; Other
Agelaius tricolor	tricolored blackbird	THREATENED BY FUTURE DEVELOPMENT.	Development
Agelaius tricolor	tricolored blackbird	VEHICLE COLLISIONS.	Vehicle collisions
Agelaius tricolor	tricolored blackbird	POTENTIALLY THREATENED BY DEVELOPMENT OF SURROUNDING HABITAT.	Development
Agelaius tricolor	tricolored blackbird		
Agelaius tricolor	tricolored blackbird		
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	DEVELOPMENT. MASS GRADING FOR BUILDING OF ROADS, BRIDGES, & RELATED INFRASTRUCTURE; PREDOMINANTLY ON EAST SIDE OF SITE.	Development
Desmocerus californicus dimorphus	valley elderberry longhorn beetle		
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	NATURAL GAS PIPELINE CONSTRUCTION DUE TO RESIDENTIAL/COMMERCIAL GROWTH; CONSTRUCTION PROPOSED FOR 2009-2012.	Development; Other
Branchinecta lynchi	vernal pool fairy shrimp	THREATENED BY DEVELOPMENT (GOLF COURSES AND RESIDENTIAL DEVELOPMENT).	Development
Branchinecta lynchi	vernal pool fairy shrimp	DEVELOPMENT; SEC 7 HAS BEEN EXTENSIVELY DEVELOPED SINCE 1993 (AIR PHOTOS).	Development
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	LAND USE CONVERSION IN AREA, PESTICIDE/HERBICIDE USE, TRESPASSING FROM NEARBY HOUSING DEVELOPMENTS (2010).	Biocides; Development
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	FUTURE RESIDENTIAL DEVELOPMENT PLANNED IN ADJACENT AREA; DIRT ROADS BISECT PRESERVE; GRAZING; RODEO GROUNDS TO THE NW.	Development; Grazing; Other
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	THREAT: HIGH POTENTIAL FOR DEGRADATION OF WATER QUALITY; POSSIBLE HERBICIDE USE; SEDIMENTATION OF POOLS, RR ROW, ET AL.	Degraded water quality; Other
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	AVAILABLE HABITAT REDUCED BY DEVELOPMENT.	Development
Branchinecta lynchi	vernal pool fairy shrimp	DEVELOPMENT (2009).	Development
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	SURROUNDING AREA IS BEING DEVELOPED.	Development
Branchinecta lynchi	vernal pool fairy shrimp	IMPROPER GRAZING REGIME (2013).	Grazing
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	COMMERCIAL & RESIDENTIAL DEVELOPMENT. SITE IS DISTURBED BY DUMPED GARBAGE AND NUMEROUS TIRE TRACKS FROM ORV ACTIVITY.	Development
Branchinecta lynchi	vernal pool fairy shrimp	COMMERCIAL AND RESIDENTIAL DEVELOPMENT. DISTURBANCE FROM GARBAGE DUMPING AND ORV ACTIVITY.	Development; ORV activity; Vandalism/dumping/litter
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	SURROUNDED BY DEVELOPMENT.	
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	MAINTENANCE ROAD FOR WESTERN PACIFIC RAILROAD, AREA IMPACTED BY SACRAMENTO AREA FLOOD CONTROL AGENCY (1995).	Other; Road/trail construction/maint.
Branchinecta lynchi	vernal pool fairy shrimp	DEVELOPMENT (2009).	Development
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	DEVELOPMENT (2009).	Development
Branchinecta lynchi	vernal pool fairy shrimp	POSSIBLY THREATENED BY PROPOSED CONSTRUCTION OF AN ACCESS ROAD LEADING TO A NEW POWER PLANT.	Development; Road/trail construction/maint.
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	RESIDENTIAL DEVELOPMENT	Development
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	POSSIBLY THREATENED BY CONTAMINATED RUNOFF FROM A CEMENT MIXING FACILITY SE OF THE SITE.	Erosion/runoff; Pollution
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	DEVELOPMENT.	Development
Branchinecta lynchi	vernal pool fairy shrimp	DEVELOPMENT.	Development
Branchinecta lynchi	vernal pool fairy shrimp	AGRICULTURE: DRY-FARMING.	Agriculture
Branchinecta lynchi	vernal pool fairy shrimp	DISTURBED FIELD (SOURCE OF DISTURBANCE NOT GIVEN).	
Branchinecta lynchi	vernal pool fairy shrimp	EXPANSION OF BASE FACILITIES; MODIFICATION OF WATERSHED; AIRCRAFT REPAIR, DEVELOPMENT (1996).	Development; Other
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	DISTURBANCE FROM FREE-RANGE PIGS (2011).	Non-native animal impacts
Branchinecta lynchi	vernal pool fairy shrimp	DUMPING, IMPACTS FROM ADJACENT ROAD (2011).	Other; Vandalism/dumping/litter
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	AVAILABLE HABITAT REDUCED BY RESIDENTIAL DEVELOPMENT.	Development
Branchinecta lynchi	vernal pool fairy shrimp	DEVELOPMENT.	Development
Branchinecta lynchi	vernal pool fairy shrimp	SOILS IN THE AREA ARE KNOWN TO BE CONTAMINATED.	Pollution
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		

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SNAME	CNAME	THREAT	THREATLIST
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	CATTLE GRAZING AND CITY PLANS FOR GOLF COURSE DEVELOPMENT (HANSEN RANCH).	Development; Grazing
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp		
Branchinecta lynchi	vernal pool fairy shrimp	THREATENED BY PROPOSED DEVELOPMENT.	Development
Branchinecta lynchi	vernal pool fairy shrimp		
Lepidurus packardi	vernal pool tadpole shrimp		
Lepidurus packardi	vernal pool tadpole shrimp		
Lepidurus packardi	vernal pool tadpole shrimp	DISKING, DEVELOPMENT.	Development; Disking
Lepidurus packardi	vernal pool tadpole shrimp	DISKING AND PESTICIDE RUNOFF, GRAZING & AGRICULTURE IMPACTS ON USAF PROPERTY (1995-1996).	Agriculture; Biocides; Disking; Grazing
Lepidurus packardi	vernal pool tadpole shrimp	DEVELOPMENT.	Development
Lepidurus packardi	vernal pool tadpole shrimp	SINCE THE TIME OF SURVEY, THE WETLAND IN WHICH THE CYST WAS FOUND WAS PAVED OVER DURING ROAD EXPANSION PROJECT.	Road/trail construction/maint.
Lepidurus packardi	vernal pool tadpole shrimp	RAILROAD RIGHT-OF-WAY; FUTURE HIGHWAY EXPANSION OR REALIGNMENT; ADJACENT LAND FOR RICE CROPS.	Agriculture; Road/trail construction/maint.
Lepidurus packardi	vernal pool tadpole shrimp	FUTURE HIGHWAY EXPANSION OR REALIGNMENT.	Road/trail construction/maint.
Emys marmorata	western pond turtle	MILITARY ACTIVITIES, DEVELOPMENT.	Development; Military operations
Gonidea angulata	western ridged mussel		
Spea hammondii	western spadefoot	LAND HAS BEEN DEVELOPED SINCE OBSERVATION.	Development
Spea hammondii	western spadefoot	ROAD MORTALITIES, BULLFROGS OBSERVED IN THE AREA.	Non-native animal impacts; Vehicle collisions
Spea hammondii	western spadefoot	ROAD MORTALITIES, BULLFROGS ALSO OBSERVED IN AREA.	Non-native animal impacts; Vehicle collisions
Spea hammondii	western spadefoot	ROAD MORTALITIES, BULLFROGS OBSERVED IN THE AREA.	Non-native animal impacts; Vehicle collisions
Spea hammondii	western spadefoot	ROAD MORTALITIES, BULLFROGS FOUND IN THE AREA.	Non-native animal impacts; Vehicle collisions
Spea hammondii	western spadefoot	NOW SURROUNDED BY DEVELOPMENT.	Development
Spea hammondii	western spadefoot	MUCH OF THIS AREA HAS BEEN DEVELOPED SINCE 1994; PORTION OF OCCURRENCE MAY BE EXTIRPATED.	Development
Spea hammondii	western spadefoot	ROAD MORTALITIES, BULLFROGS OBSERVED IN THE AREA.	Non-native animal impacts; Vehicle collisions
Spea hammondii	western spadefoot	ROAD MORTALITIES, BULLFROGS SEEN IN THE AREA.	Non-native animal impacts; Vehicle collisions
Spea hammondii	western spadefoot	ROAD MORTALITIES, BULLFROGS OBSERVED IN AREA.	Non-native animal impacts; Vehicle collisions
Spea hammondii	western spadefoot	THREATENED BY INCREASED HYDROLOGYAND NON-NATIVE FISHES.	Non-native animal impacts; Other
Spea hammondii	western spadefoot	CHANGES IN HYDROLOGY/URBAN RUNOFF.	Other; Pollution
Coccyzus americanus occidentalis	western yellow-billed cuckoo	DEVELOPMENT HAS ELIMINATED HABITAT IN THE AREA. THOUGHT TO HAVE BEEN EXTIRPATED IN SACRAMENTO AND YOLO COUNTIES.	Development
Elanus leucurus	white-tailed kite	THREATS INCLUDE MILITARY OPERATIONS AND DEVELOPMENT.	Development; Military operations
Elanus leucurus	white-tailed kite		
Elanus leucurus	white-tailed kite		
Elanus leucurus	white-tailed kite		
Elanus leucurus	white-tailed kite		
Elanus leucurus	white-tailed kite		
Elanus leucurus	white-tailed kite		
Elanus leucurus	white-tailed kite		
Elanus leucurus	white-tailed kite	THREATENED BY ENCROACHING DEVELOPMENT ALONG WOODCREEK OAKS BLVD.	Development
Elanus leucurus	white-tailed kite		
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	VEGETATION MAINTENANCE, LEVEE OR CHANNEL MAINTENANCE ACTIVITIES COULD THREATEN THE POPULATION.	Waterway bank protection/maintenance; Wood cutting or brush clearing

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SNAME	CNAME	LASTUPDATE	AREA	PERIMETER	AVLCODE	Symbology	Shape_Length	Shape_Area
Juncus leiospermus var. ahartii	Ahart's dwarf rush	19940527	20009.27642	502.080466	10101	101	502.080466	20009.27642
Alkali Meadow	Alkali Meadow	19980715	281368.6874	1882.762572	30502	805	1882.762572	281368.6874
Alkali Seep	Alkali Seep	19980720	281368.6874	1882.762572	30502	805	1882.762572	281368.6874
Andrena subapasta	An andrenid bee	20120509	8042071.298	10052.97189	20901	209	10052.97189	8042071.298
Andrena subapasta	An andrenid bee	20120509	8042068.886	10052.96889	20901	209	10052.96889	8042068.886
Riparia riparia	bank swallow	20050510	70602.60405	942.200292	20401	204	942.200292	70602.60405
Riparia riparia	bank swallow	20051129	70602.60112	942.200263	20401	204	942.200263	70602.60112
Balsamorhiza macrolepis	big-scale balsamroot	19950118	8003568.771	10041.52062	10903	809	10041.52062	8003568.771
Balsamorhiza macrolepis	big-scale balsamroot	20130813	397507.8898	5230.895891	10201	102	5230.895891	397507.8898
Nycticorax nycticorax	black-crowned night heron	19920219	128882.1172	1866.075102	20203	802	1866.075102	128882.1172
Nycticorax nycticorax	black-crowned night heron	19930107	110070.4956	1475.942493	20201	202	1475.942493	110070.4956
Gratiola heterosepala	Boggs Lake hedge-hyssop	20110104	533888.3673	6925.553753	10301	103	6925.553753	533888.3673
Gratiola heterosepala	Boggs Lake hedge-hyssop	20110118	26322.13896	831.769603	10201	102	831.769603	26322.13896
Gratiola heterosepala	Boggs Lake hedge-hyssop	20130523	20009.25436	502.080191	10102	801	502.080191	20009.25436
Gratiola heterosepala	Boggs Lake hedge-hyssop	20171213	5834.761195	410.641455	10201	102	410.641455	5834.761195
Gratiola heterosepala	Boggs Lake hedge-hyssop	20090406	1675.802704	177.286647	10201	102	177.286647	1675.802704
Athene cunicularia	burrowing owl	20040217	8042068.816	10052.96885	20901	209	10052.96885	8042068.816
Athene cunicularia	burrowing owl	20030821	1125622.349	3765.772396	20601	206	3765.772396	1125622.349
Athene cunicularia	burrowing owl	20030821	281414.03	1882.914551	20501	205	1882.914551	281414.03
Athene cunicularia	burrowing owl	20120611	146285.5478	2215.487347	20201	202	2215.487347	146285.5478
Athene cunicularia	burrowing owl	20100216	132456.3444	1907.646921	20301	203	1907.646921	132456.3444
Athene cunicularia	burrowing owl	20030821	108291.2661	1295.534042	20301	203	1295.534042	108291.2661
Athene cunicularia	burrowing owl	20100216	106362.2453	2230.153197	20201	202	2230.153197	106362.2453
Athene cunicularia	burrowing owl	20080228	77107.35016	1215.789676	20301	203	1215.789676	77107.35016
Athene cunicularia	burrowing owl	20100211	60279.10075	1507.04038	20201	202	1507.04038	60279.10075
Athene cunicularia	burrowing owl	20121001	50150.8837	870.740561	20201	202	870.740561	50150.8837
Athene cunicularia	burrowing owl	20100216	42682.15334	817.38729	20201	202	817.38729	42682.15334
Athene cunicularia	burrowing owl	20080229	40947.13544	763.786757	20301	203	763.786757	40947.13544
Athene cunicularia	burrowing owl	20100216	40185.93231	1005.145584	20201	202	1005.145584	40185.93231
Athene cunicularia	burrowing owl	20100216	40185.88675	1005.145	20201	202	1005.145	40185.88675
Athene cunicularia	burrowing owl	20030821	21017.46051	602.487785	20201	202	602.487785	21017.46051
Athene cunicularia	burrowing owl	20030821	20023.42513	502.137671	20101	201	502.137671	20023.42513
Athene cunicularia	burrowing owl	20080701	20023.32625	502.136432	20101	201	502.136432	20023.32625
Athene cunicularia	burrowing owl	20080707	20023.32488	502.136414	20101	201	502.136414	20023.32488
Athene cunicularia	burrowing owl	20070703	20023.32386	502.136401	20101	201	502.136401	20023.32386
Athene cunicularia	burrowing owl	20100216	20023.32386	502.136401	20101	201	502.136401	20023.32386
Athene cunicularia	burrowing owl	20100216	20023.32386	502.136401	20101	201	502.136401	20023.32386
Athene cunicularia	burrowing owl	20030731	20023.32309	502.136392	20101	201	502.136392	20023.32309
Athene cunicularia	burrowing owl	20100217	20023.32039	502.136358	20101	201	502.136358	20023.32039
Linderiella occidentalis	California linderiella	19980610	4789145.815	9630.925481	20301	203	9630.925481	4789145.815
Linderiella occidentalis	California linderiella	20110711	1903768.818	5568.903921	20201	202	5568.903921	1903768.818
Linderiella occidentalis	California linderiella	20020225	1318446.141	4863.255325	20302	803	4863.255325	1318446.141
Linderiella occidentalis	California linderiella	20060620	965349.2272	4007.96275	20301	203	4007.96275	965349.2272
Linderiella occidentalis	California linderiella	19960716	942754.3528	4105.848422	20301	203	4105.848422	942754.3528
Linderiella occidentalis	California linderiella	20110425	914504.523	4439.737002	20301	203	4439.737002	914504.523
Linderiella occidentalis	California linderiella	20000412	906977.9901	5427.415407	20201	202	5427.415407	906977.9901
Linderiella occidentalis	California linderiella	20110422	884524.9238	18908.0309	20201	202	18908.0309	884524.9238
Linderiella occidentalis	California linderiella	20060620	514528.2046	3016.284058	20301	203	3016.284058	514528.2046
Linderiella occidentalis	California linderiella	19960906	473393.6442	3387.930246	20301	203	3387.930246	473393.6442
Linderiella occidentalis	California linderiella	19960905	437416.6536	2993.523788	20301	203	2993.523788	437416.6536
Linderiella occidentalis	California linderiella	20060327	386164.7573	3861.922921	20301	203	3861.922921	386164.7573
Linderiella occidentalis	California linderiella	20050503	352240.9689	3146.678178	20201	202	3146.678178	352240.9689
Linderiella occidentalis	California linderiella	19960802	281406.3857	1882.888862	20501	205	1882.888862	281406.3857
Linderiella occidentalis	California linderiella	19951011	281379.7639	1882.799707	20502	805	1882.799707	281379.7639
Linderiella occidentalis	California linderiella	20140730	246002.9071	2366.977692	20201	202	2366.977692	246002.9071
Linderiella occidentalis	California linderiella	20051228	222408.3003	2223.190555	20301	203	2223.190555	222408.3003
Linderiella occidentalis	California linderiella	20060327	189692.6151	3023.748371	20201	202	3023.748371	189692.6151
Linderiella occidentalis	California linderiella	20140730	182472.7859	2404.023114	20201	202	2404.023114	182472.7859
Linderiella occidentalis	California linderiella	20110708	176583.0708	2050.547033	20201	202	2050.547033	176583.0708
Linderiella occidentalis	California linderiella	20060620	142151.3281	1854.182573	20301	203	1854.182573	142151.3281
Linderiella occidentalis	California linderiella	20110708	116034.9993	1791.08236	20201	202	1791.08236	116034.9993
Linderiella occidentalis	California linderiella	20150306	102965.8031	2457.148043	20201	202	2457.148043	102965.8031
Linderiella occidentalis	California linderiella	20060327	92941.28999	1666.725057	20201	202	1666.725057	92941.28999
Linderiella occidentalis	California linderiella	20051017	81197.05456	1251.775	20201	202	1251.775	81197.05456
Linderiella occidentalis	California linderiella	20140730	67729.73729	1083.954929	20201	202	1083.954929	67729.73729
Linderiella occidentalis	California linderiella	20060327	62378.71998	1039.781495	20302	803	1039.781495	62378.71998
Linderiella occidentalis	California linderiella	19970327	61670.7468	999.155855	20201	202	999.155855	61670.7468
Linderiella occidentalis	California linderiella	20060620	60118.54287	2356.225666	20201	202	2356.225666	60118.54287
Linderiella occidentalis	California linderiella	20110429	58281.87376	1512.217026	20201	202	1512.217026	58281.87376
Linderiella occidentalis	California linderiella	20140730	47201.53651	1091.358411	20201	202	1091.358411	47201.53651
Linderiella occidentalis	California linderiella	20140730	45750.99882	813.981807	20201	202	813.981807	45750.99883
Linderiella occidentalis	California linderiella	20200528	20105.86009	502.652754	20101	201	502.652754	20105.86009
Linderiella occidentalis	California linderiella	20000412	20024.86928	502.15658	20101	201	502.15658	20024.86928
Linderiella occidentalis	California linderiella	20040819	20023.32507	502.136417	20101	201	502.136417	20023.32507
Linderiella occidentalis	California linderiella	20051018	20023.32404	502.136404	20101	201	502.136404	20023.32404
Linderiella occidentalis	California linderiella	20050613	20023.32386	502.136401	20101	201	502.136401	20023.32386
Linderiella occidentalis	California linderiella	20140730	20023.32386	502.136401	20101	201	502.136401	20023.32386
Linderiella occidentalis	California linderiella	20140730	20023.32386	502.136401	20101	201	502.136401	20023.32386
Linderiella occidentalis	California linderiella	20140730	20023.32386	502.136401	20101	201	502.136401	20023.32386
Linderiella occidentalis	California linderiella	20060327	20023.32252	502.136385	20101	201	502.136385	20023.32252
Linderiella occidentalis	California linderiella	19951011	20011.78037	502.111886	20102	801	502.111886	20011.78037
Linderiella occidentalis	California linderiella	19951121	20011.16417	502.099928	20101	201	502.099928	20011.16417
Linderiella occidentalis	California linderiella	19951002	20011.14246	502.103982	20101	201	502.103982	20011.14246
Linderiella occidentalis	California linderiella	19951002	20011.13825	502.103921	20102	801	502.103921	20011.13825
Linderiella occidentalis	California linderiella	19951002	20011.12711	502.103779	20102	801	502.103779	20011.12711
Linderiella occidentalis	California linderiella	19951002	20011.11488	502.103637	20101	201	502.103637	20011.11488
Linderiella occidentalis	California linderiella	19960618	20011.04073	502.102705	20102	801	502.102705	20011.04073
Linderiella occidentalis	California linderiella	19951121	20010.19271	502.091983	20101	201	502.091983	20010.19271
Linderiella occidentalis	California linderiella	19951012	20010.06696	502.090405	20101	201	502.090405	20010.06696
Linderiella occidentalis	California linderiella	20090515	20008.79995	502.074588	20101	201	502.074588	20008.79995
Linderiella occidentalis	California linderiella	19951121	16521.96447	541.052546	20301	203	541.052546	16521.96447
Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	20160125	32613750.71	216659.58	20302	803	216659.58	32613750.71
Branchinecta conservatio	Conservancy fairy shrimp	20140616	20021.67305	502.125487	20101	201	502.125487	20021.67305
Downingia pusilla	dwarf downingia	19940808	281388.8854	1882.829937	10501	105	1882.829937	281388.8854
Downingia pusilla	dwarf downingia	19940808	281384.7434	1882.816111	10501	105	1882.816111	281384.7434
Downingia pusilla	dwarf downingia	19890811	281374.3431	1882.781475	10501	105	1882.781475	281374.3431
Downingia pusilla	dwarf downingia	19970811	281370.462	1882.768583	10501	105	1882.768583	281370.462
Downingia pusilla	dwarf downingia	20030304	54337.47289	2204.916633	10201	102	2204.916633	54337.47289

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SNAME	CNAME	LASTUPDATE	AREA	PERIMETER	AVLCODE	Symbology	Shape_Length	Shape_Area
Downingia pusilla	dwarf downingia	19940808	40956.56664	1091.018453	10201	102	1091.018453	40956.56664
Downingia pusilla	dwarf downingia	20110921	39518.23085	1000.743375	10201	102	1000.743375	39518.23085
Downingia pusilla	dwarf downingia	20000810	34321.55442	1222.340541	10201	102	1222.340541	34321.55442
Downingia pusilla	dwarf downingia	20000810	28729.12459	1135.964546	10201	102	1135.964546	28729.12459
Downingia pusilla	dwarf downingia	20180724	25756.98776	879.582061	10201	102	879.582061	25756.98776
Downingia pusilla	dwarf downingia	20110914	20024.4322	502.178646	10101	101	502.178646	20024.4322
Downingia pusilla	dwarf downingia	20130830	20023.32619	502.136439	10101	101	502.136439	20023.32619
Downingia pusilla	dwarf downingia	20080213	20023.32386	502.136401	10101	101	502.136401	20023.32386
Downingia pusilla	dwarf downingia	19970811	20011.13825	502.103921	10102	801	502.103921	20011.13825
Downingia pusilla	dwarf downingia	20131031	20011.12711	502.103779	10102	801	502.103779	20011.12711
Downingia pusilla	dwarf downingia	19940808	20011.01447	502.102365	10101	101	502.102365	20011.01447
Downingia pusilla	dwarf downingia	19970811	20010.31799	502.093625	10101	101	502.093625	20010.31799
Downingia pusilla	dwarf downingia	19940808	20009.25436	502.080191	10102	801	502.080191	20009.25436
Downingia pusilla	dwarf downingia	20110914	15434.28024	627.224879	10201	102	627.224879	15434.28024
Downingia pusilla	dwarf downingia	20110914	14570.74616	577.784507	10201	102	577.784507	14570.74616
Downingia pusilla	dwarf downingia	20180724	8859.086329	578.837776	10201	102	578.837776	8859.086329
Downingia pusilla	dwarf downingia	20000810	7391.424164	308.036335	10201	102	308.036335	7391.424164
Downingia pusilla	dwarf downingia	20180724	3961.500137	226.596425	10201	102	226.596425	3961.500137
Downingia pusilla	dwarf downingia	20110921	2825.573656	188.46479	10201	102	188.46479	2825.573656
Downingia pusilla	dwarf downingia	20110914	2825.572948	188.464765	10201	102	188.464765	2825.572948
Downingia pusilla	dwarf downingia	20180724	2825.572906	188.464768	10201	102	188.464768	2825.572906
Thamnophis gigas	giant gartersnake	20171011	2902395.224	36958.46261	20201	202	36958.46261	2902395.224
Thamnophis gigas	giant gartersnake	20171010	1532614.004	17715.58674	20201	202	17715.58674	1532614.004
Thamnophis gigas	giant gartersnake	20170830	831108.4691	9129.179239	20201	202	9129.179239	831108.4691
Thamnophis gigas	giant gartersnake	20141205	658067.5734	8375.749127	20301	203	8375.749127	658067.5734
Thamnophis gigas	giant gartersnake	20171009	452177.11	6792.528109	20201	202	6792.528109	452177.11
Thamnophis gigas	giant gartersnake	20171009	394144.3377	4740.492644	20201	202	4740.492644	394144.3377
Thamnophis gigas	giant gartersnake	20141003	384936.5632	6405.983882	20201	202	6405.983882	384936.5632
Thamnophis gigas	giant gartersnake	20170830	356428.1902	5109.320504	20201	202	5109.320504	356428.1902
Thamnophis gigas	giant gartersnake	20141209	332330.1146	4656.354785	20201	202	4656.354785	332330.1146
Thamnophis gigas	giant gartersnake	20141208	320694.0126	2607.175533	20301	203	2607.175533	320694.0126
Thamnophis gigas	giant gartersnake	20060512	282659.3692	1884.815642	20501	205	1884.815642	282659.3692
Thamnophis gigas	giant gartersnake	20141212	282659.366	1884.815631	20501	205	1884.815631	282659.366
Thamnophis gigas	giant gartersnake	20100811	282659.3577	1884.815604	20501	205	1884.815604	282659.3577
Thamnophis gigas	giant gartersnake	19950810	281426.0063	1882.954483	20501	205	1882.954483	281426.0063
Thamnophis gigas	giant gartersnake	19950810	281423.8272	1882.947214	20501	205	1882.947214	281423.8272
Thamnophis gigas	giant gartersnake	19950810	281422.6588	1882.943314	20501	205	1882.943314	281422.6588
Thamnophis gigas	giant gartersnake	19950731	281421.7413	1882.940229	20501	205	1882.940229	281421.7413
Thamnophis gigas	giant gartersnake	20091026	281417.188	1882.92507	20501	205	1882.92507	281417.188
Thamnophis gigas	giant gartersnake	20060509	281415.8617	1882.920422	20501	205	1882.920422	281415.8617
Thamnophis gigas	giant gartersnake	19950727	281414.0732	1882.914379	20501	205	1882.914379	281414.0732
Thamnophis gigas	giant gartersnake	19950731	281413.8009	1882.913671	20501	205	1882.913671	281413.8009
Thamnophis gigas	giant gartersnake	20100818	281413.6736	1882.913322	20501	205	1882.913322	281413.6736
Thamnophis gigas	giant gartersnake	19950731	281412.8148	1882.910293	20501	205	1882.910293	281412.8148
Thamnophis gigas	giant gartersnake	20100818	281410.6899	1882.903349	20501	205	1882.903349	281410.6899
Thamnophis gigas	giant gartersnake	20100818	281410.2239	1882.901823	20501	205	1882.901823	281410.2239
Thamnophis gigas	giant gartersnake	20171009	273344.3532	4082.478955	20201	202	4082.478955	273344.3532
Thamnophis gigas	giant gartersnake	20170831	271030.6677	4206.885859	20201	202	4206.885859	271030.6677
Thamnophis gigas	giant gartersnake	20171011	265060.9368	4070.475918	20201	202	4070.475918	265060.9368
Thamnophis gigas	giant gartersnake	20171011	250964.8237	3893.341597	20201	202	3893.341597	250964.8237
Thamnophis gigas	giant gartersnake	20141202	240502.7278	3509.332406	20201	202	3509.332406	240502.7278
Thamnophis gigas	giant gartersnake	20141217	239864.1805	2979.300027	20201	202	2979.300027	239864.1805
Thamnophis gigas	giant gartersnake	20171010	224980.2593	4061.675334	20201	202	4061.675334	224980.2593
Thamnophis gigas	giant gartersnake	20141205	215733.6381	3648.394935	20301	203	3648.394935	215733.6381
Thamnophis gigas	giant gartersnake	20171017	177561.2428	2423.463016	20201	202	2423.463016	177561.2428
Thamnophis gigas	giant gartersnake	20141209	175838.4106	2433.350839	20301	203	2433.350839	175838.4106
Thamnophis gigas	giant gartersnake	20171010	155552.0718	2699.459522	20201	202	2699.459522	155552.0718
Thamnophis gigas	giant gartersnake	20140731	150549.8786	2942.313911	20201	202	2942.313911	150549.8786
Thamnophis gigas	giant gartersnake	20170830	139569.8776	1994.196278	20301	203	1994.196278	139569.8776
Thamnophis gigas	giant gartersnake	20171009	138363.7527	1882.283606	20201	202	1882.283606	138363.7527
Thamnophis gigas	giant gartersnake	20141205	132974.5227	1913.386343	20301	203	1913.386343	132974.5227
Thamnophis gigas	giant gartersnake	20171011	110965.7962	1854.218173	20201	202	1854.218173	110965.7962
Thamnophis gigas	giant gartersnake	20141212	95993.19837	1703.299669	20201	202	1703.299669	95993.19837
Thamnophis gigas	giant gartersnake	20141003	93706.28158	2196.986201	20201	202	2196.986201	93706.28158
Thamnophis gigas	giant gartersnake	20141001	91648.4442	1854.661458	20201	202	1854.661458	91648.4442
Thamnophis gigas	giant gartersnake	20141001	89583.41529	1668.138059	20201	202	1668.138059	89583.41529
Thamnophis gigas	giant gartersnake	20171026	87322.92622	2099.374353	20201	202	2099.374353	87322.92622
Thamnophis gigas	giant gartersnake	20141205	84031.25438	1302.238262	20301	203	1302.238262	84031.25438
Thamnophis gigas	giant gartersnake	20050727	79116.36365	1239.029928	20201	202	1239.029928	79116.36365
Thamnophis gigas	giant gartersnake	20030729	70602.60043	942.200264	20401	204	942.200264	70602.60043
Thamnophis gigas	giant gartersnake	20030729	70602.6002	942.200263	20401	204	942.200263	70602.6002
Thamnophis gigas	giant gartersnake	20141210	64980.28784	1314.68802	20201	202	1314.68802	64980.28784
Thamnophis gigas	giant gartersnake	20141205	40185.93323	1005.145593	20201	202	1005.145593	40185.93323
Thamnophis gigas	giant gartersnake	20140718	40185.93034	1005.145529	20201	202	1005.145529	40185.93034
Thamnophis gigas	giant gartersnake	20140801	35775.69812	698.325451	20201	202	698.325451	35775.69812
Thamnophis gigas	giant gartersnake	20091015	33401.19708	669.466902	20201	202	669.466902	33401.19708
Thamnophis gigas	giant gartersnake	20171011	33386.33432	668.745724	20201	202	668.745724	33386.33432
Thamnophis gigas	giant gartersnake	20140801	27487.43602	594.89312	20201	202	594.89312	27487.43602
Thamnophis gigas	giant gartersnake	20170929	20105.86531	502.652819	20101	201	502.652819	20105.86531
Thamnophis gigas	giant gartersnake	20171010	20105.862	502.652778	20101	201	502.652778	20105.862
Thamnophis gigas	giant gartersnake	19970904	20105.03565	502.656077	20101	201	502.656077	20105.03565
Thamnophis gigas	giant gartersnake	20141205	20023.32682	502.136439	20101	201	502.136439	20023.32682
Thamnophis gigas	giant gartersnake	20141205	20023.32581	502.136426	20101	201	502.136426	20023.32581
Thamnophis gigas	giant gartersnake	20141205	20023.32526	502.136419	20101	201	502.136419	20023.32526
Thamnophis gigas	giant gartersnake	20091119	20023.32519	502.136418	20101	201	502.136418	20023.32519
Thamnophis gigas	giant gartersnake	20091008	20023.32518	502.136418	20101	201	502.136418	20023.32518
Thamnophis gigas	giant gartersnake	20141210	20023.32394	502.136401	20101	201	502.136401	20023.32394
Thamnophis gigas	giant gartersnake	20171011	20023.32386	502.136401	20101	201	502.136401	20023.32386
Thamnophis gigas	giant gartersnake	20140718	20023.32386	502.136401	20101	201	502.136401	20023.32386
Thamnophis gigas	giant gartersnake	20140801	20023.32386	502.136401	20101	201	502.136401	20023.32386
Thamnophis gigas	giant gartersnake	20140804	20023.32386	502.136401	20101	201	502.136401	20023.32386
Thamnophis gigas	giant gartersnake	20030730	20023.32386	502.136401	20101	201	502.136401	20023.32386
Thamnophis gigas	giant gartersnake	20091119	20023.32289	502.136389	20101	201	502.136389	20023.32289
Thamnophis gigas	giant gartersnake	20141205	20023.32113	502.136365	20101	201	502.136365	20023.32113
Thamnophis gigas	giant gartersnake	19930209	20011.78966	502.112094	20101	201	502.112094	20011.78966
Thamnophis gigas	giant gartersnake	20060510	20011.63898	502.110203	20101	201	502.110203	20011.63898
Thamnophis gigas	giant gartersnake	20100818	20011.43905	502.107707	20101	201	502.107707	20011.43905
Ammodramus savannarum	grasshopper sparrow	20070612	20023.32704	502.136441	20101	201	502.136441	20023.32704

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SNAME	CNAME	LASTUPDATE	AREA	PERIMETER	AVLCODE	Symbology	Shape_Length	Shape_Area
Ardea herodias	great blue heron	20030227	40023.69985	751.668408	20202	802	751.668408	40023.69985
Ardea herodias	great blue heron	20040225	20023.32776	502.136455	20102	801	502.136455	20023.32776
Ardea herodias	great blue heron	20040225	20023.32494	502.136415	20101	201	502.136415	20023.32494
Ardea alba	great egret	19920219	128882.1172	1866.075102	20203	802	1866.075102	128882.1172
Ardea alba	great egret	20030227	40023.69985	751.668408	20202	802	751.668408	40023.69985
Ardea alba	great egret	20040225	20023.32776	502.136455	20102	801	502.136455	20023.32776
Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	19980721	314489.2824	4648.926559	30201	302	4648.926559	314489.2824
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	20110804	102790.6865	1536.66142	10201	102	1536.66142	102790.6865
Legenere limosa	legenere	19970811	281370.6404	1882.769114	10501	105	1882.769114	281370.6404
Legenere limosa	legenere	19970811	237305.5845	2482.591252	10201	102	2482.591252	237305.5845
Legenere limosa	legenere	20100429	29654.27825	740.833144	10201	102	740.833144	29654.27825
Legenere limosa	legenere	20180109	23870.22619	626.420403	10201	102	626.420403	23870.22619
Legenere limosa	legenere	20180109	20010.29468	502.093333	10101	101	502.093333	20010.29468
Legenere limosa	legenere	20180103	5618.580755	376.385521	10201	102	376.385521	5618.580755
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	19980715	281404.028	1882.881044	30501	305	1882.881044	281404.028
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	19980715	5060666.041	9357.799986	30201	302	9357.799986	5060666.041
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	19980715	1296241.248	4533.952817	30202	802	4533.952817	1296241.247
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	19980715	608841.5023	4586.214701	30201	302	4586.214701	608841.5023
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	20010524	295000.2484	4099.637089	30201	302	4099.637089	295000.2484
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	19980715	281395.7605	1882.853323	30501	305	1882.853323	281395.7605
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	19980715	281378.3739	1882.794833	30501	305	1882.794833	281378.3739
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	19980715	207702.3334	3307.326826	30201	302	3307.326826	207702.3334
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	19980716	1748007.669	5878.011577	30201	302	5878.011577	1748007.669
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	19980716	1731775.007	6493.983007	30201	302	6493.983007	1731775.007
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	19980716	1400527.48	9397.55889	30201	302	9397.55889	1400527.48
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	19980716	573352.8117	4928.272667	30201	302	4928.272667	573352.8117
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	19980716	253674.4704	2932.344448	30201	302	2932.344448	253674.4704
Antrozous pallidus	pallid bat	20160629	20105.84298	502.65254	20101	201	502.65254	20105.84298
Navarretia myersii ssp. myersii	pincushion navarretia	20020131	8003568.771	10041.52062	10903	809	10041.52062	8003568.771
Progne subis	purple martin	20071105	70602.42516	942.199091	20401	204	942.199091	70602.42516
Progne subis	purple martin	20071031	20023.33004	502.136479	20101	201	502.136479	20023.33004
Progne subis	purple martin	20040312	20023.32931	502.136464	20101	201	502.136464	20023.32931
Progne subis	purple martin	20040312	20023.3257	502.136424	20101	201	502.136424	20023.3257
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	20030408	281378.0633	1882.793953	10501	105	1882.793953	281378.0633
Hydrochara rickseckeri	Ricksecker's water scavenger beetle	20050330	5309020.839	8168.036427	20801	208	8168.036427	5309020.839
Pogonichthys macrolepidotus	Sacramento splittail	19960102	20361008.41	238771.7885	20201	202	238771.7885	20361008.41
Sagittaria sanfordii	Sanford's arrowhead	20090211	167724.5666	2341.000822	10201	102	2341.000822	167724.5666
Sagittaria sanfordii	Sanford's arrowhead	19971223	88780.44145	1349.868883	10201	102	1349.868883	88780.44145
Sagittaria sanfordii	Sanford's arrowhead	20130610	75428.99223	2700.430092	10201	102	2700.430092	75428.99223
Sagittaria sanfordii	Sanford's arrowhead	19940804	68397.55344	1028.144649	10201	102	1028.144649	68397.55345
Sagittaria sanfordii	Sanford's arrowhead	19971223	20105.08548	502.647361	10101	101	502.647361	20105.08548
Sagittaria sanfordii	Sanford's arrowhead	20090115	9350.4611	509.592363	10201	102	509.592363	9350.4611
Egretta thula	snowy egret	19920219	128882.1172	1866.075102	20203	802	1866.075102	128882.1172
Melospiza melodia	song sparrow ("Modesto" population)	20130813	201051722.1	50264.84447	21003	810	50264.84447	201051722.1
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	20140328	84906182.08	275987.3342	20301	203	275987.3342	84906182.08
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	20140224	32613750.71	216659.58	20302	803	216659.58	32613750.71
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	20140328	20141005.68	132783.0975	20301	203	132783.0975	20141005.68
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	20131203	11107030.17	73796.02977	20301	203	73796.02977	11107030.17
Fritillaria agrestis	stinkbells	19970811	30715.62921	881.740221	10201	102	881.740221	30715.62921
Fritillaria agrestis	stinkbells	20080804	20010.55773	502.096653	10101	101	502.096653	20010.55773
Fritillaria agrestis	stinkbells	20080804	20009.20063	502.0796	10101	101	502.0796	20009.20063
Fritillaria agrestis	stinkbells	19920515	18215.07912	592.151528	10201	102	592.151528	18215.07912
Buteo swainsoni	Swainson's hawk	20161024	376365.8591	6333.179103	20301	203	6333.179103	376365.8591
Buteo swainsoni	Swainson's hawk	20130322	372159.6326	3327.856138	20301	203	3327.856138	372159.6326
Buteo swainsoni	Swainson's hawk	20130510	302650.0674	2387.217733	20301	203	2387.217733	302650.0674
Buteo swainsoni	Swainson's hawk	20130523	110788.4211	1947.344248	20301	203	1947.344248	110788.4211
Buteo swainsoni	Swainson's hawk	20130322	90732.7898	1444.900656	20301	203	1444.900656	90732.7898
Buteo swainsoni	Swainson's hawk	20130228	90732.10706	1444.894396	20301	203	1444.894396	90732.10706
Buteo swainsoni	Swainson's hawk	20130315	70602.60027	942.200263	20401	204	942.200263	70602.60027
Buteo swainsoni	Swainson's hawk	20130228	70602.59982	942.200263	20401	204	942.200263	70602.59982
Buteo swainsoni	Swainson's hawk	20130620	67003.49163	1340.267895	20201	202	1340.267895	67003.49163
Buteo swainsoni	Swainson's hawk	20130507	60209.25569	1507.281864	20201	202	1507.281864	60209.25569
Buteo swainsoni	Swainson's hawk	20130507	60139.61351	1506.845519	20201	202	1506.845519	60139.61351
Buteo swainsoni	Swainson's hawk	20130226	40185.93227	1005.145421	20201	202	1005.145421	40185.93227
Buteo swainsoni	Swainson's hawk	20130325	40116.29209	1004.709224	20201	202	1004.709224	40116.29209
Buteo swainsoni	Swainson's hawk	20130507	40116.29079	1004.709118	20201	202	1004.709118	40116.29079
Buteo swainsoni	Swainson's hawk	20130507	40116.29027	1004.709135	20201	202	1004.709135	40116.29027
Buteo swainsoni	Swainson's hawk	20130226	33651.55346	672.231038	20201	202	672.231038	33651.55346
Buteo swainsoni	Swainson's hawk	20161221	20105.87803	502.652978	20101	201	502.652978	20105.87803
Buteo swainsoni	Swainson's hawk	19991026	20105.25902	502.649572	20101	201	502.649572	20105.25902
Buteo swainsoni	Swainson's hawk	20030327	20023.43499	502.137797	20101	201	502.137797	20023.43499
Buteo swainsoni	Swainson's hawk	20000425	20023.38353	502.13715	20101	201	502.13715	20023.38353
Buteo swainsoni	Swainson's hawk	20030818	20023.32466	502.136411	20101	201	502.136411	20023.32466
Buteo swainsoni	Swainson's hawk	20130326	20023.32434	502.136401	20101	201	502.136401	20023.32434
Buteo swainsoni	Swainson's hawk	20050928	20023.3242	502.136401	20101	201	502.136401	20023.3242
Buteo swainsoni	Swainson's hawk	20131204	20023.32399	502.136401	20101	201	502.136401	20023.32399
Buteo swainsoni	Swainson's hawk	20050929	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130226	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130315	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130304	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130315	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130227	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130227	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130227	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130315	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130228	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130228	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130326	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20051018	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20060515	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130228	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20050921	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130510	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20051101	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20131029	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20051103	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20051103	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130227	20023.32386	502.136401	20101	201	502.136401	20023.32386

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SNAME	CNAME	LASTUPDATE	AREA	PERIMETER	AVLCODE	Symbology	Shape_Length	Shape_Area
Buteo swainsoni	Swainson's hawk	20130227	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20051201	20023.32386	502.136401	20101	201	502.136401	20023.32386
Buteo swainsoni	Swainson's hawk	20130227	20023.32354	502.136401	20101	201	502.136401	20023.32354
Buteo swainsoni	Swainson's hawk	20050928	20023.32352	502.136401	20101	201	502.136401	20023.32352
Buteo swainsoni	Swainson's hawk	20130524	20023.30135	502.136119	20101	201	502.136119	20023.30135
Buteo swainsoni	Swainson's hawk	20030325	20023.29616	502.136054	20101	201	502.136054	20023.29616
Buteo swainsoni	Swainson's hawk	20130503	20023.29251	502.136002	20101	201	502.136002	20023.29251
Buteo swainsoni	Swainson's hawk	20030325	20023.28338	502.135894	20101	201	502.135894	20023.28338
Buteo swainsoni	Swainson's hawk	20030325	20023.2826	502.135884	20101	201	502.135884	20023.2826
Buteo swainsoni	Swainson's hawk	20030326	20023.23539	502.135292	20101	201	502.135292	20023.23539
Buteo swainsoni	Swainson's hawk	20011003	20023.19389	502.136163	20101	201	502.136163	20023.19389
Buteo swainsoni	Swainson's hawk	20050928	20023.02921	502.131714	20101	201	502.131714	20023.02921
Agelaius tricolor	tricolored blackbird	20160201	8042068.816	10052.96885	20901	209	10052.96885	8042068.816
Agelaius tricolor	tricolored blackbird	19960111	8005042.767	10042.44607	20901	209	10042.44607	8005042.767
Agelaius tricolor	tricolored blackbird	20160201	8003568.771	10041.52062	20903	809	10041.52062	8003568.771
Agelaius tricolor	tricolored blackbird	20161011	5309285.655	8168.143626	20801	208	8168.143626	5309285.655
Agelaius tricolor	tricolored blackbird	20161021	3141429.246	6283.10542	20701	207	6283.10542	3141429.246
Agelaius tricolor	tricolored blackbird	20161024	1130971.205	3769.914275	20601	206	3769.914275	1130971.205
Agelaius tricolor	tricolored blackbird	20161011	282659.3655	1884.815631	20501	205	1884.815631	282659.3655
Agelaius tricolor	tricolored blackbird	20160914	282628.9814	1884.76519	20501	205	1884.76519	282628.9814
Agelaius tricolor	tricolored blackbird	20161104	157721.9134	2117.401352	20201	202	2117.401352	157721.9134
Agelaius tricolor	tricolored blackbird	20181106	132420.0009	2358.473494	20201	202	2358.473494	132420.0009
Agelaius tricolor	tricolored blackbird	20160201	70602.60062	942.200263	20401	204	942.200263	70602.60062
Agelaius tricolor	tricolored blackbird	20160201	70602.6002	942.200263	20401	204	942.200263	70602.6002
Agelaius tricolor	tricolored blackbird	20160201	70602.6002	942.200263	20401	204	942.200263	70602.6002
Agelaius tricolor	tricolored blackbird	20160201	70602.6002	942.200263	20401	204	942.200263	70602.6002
Agelaius tricolor	tricolored blackbird	20150720	70602.6002	942.200263	20401	204	942.200263	70602.6002
Agelaius tricolor	tricolored blackbird	20151217	70602.6002	942.200263	20401	204	942.200263	70602.6002
Agelaius tricolor	tricolored blackbird	20160829	70281.49826	1129.29626	20201	202	1129.29626	70281.49826
Agelaius tricolor	tricolored blackbird	20161115	45555.15712	801.651101	20201	202	801.651101	45555.15712
Agelaius tricolor	tricolored blackbird	20170125	20105.81085	502.653842	20101	201	502.653842	20105.81085
Agelaius tricolor	tricolored blackbird	20160201	20023.32386	502.136401	20101	201	502.136401	20023.32386
Agelaius tricolor	tricolored blackbird	20160201	20023.32336	502.136401	20101	201	502.136401	20023.32336
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	20150311	953098.885	5567.446148	20201	202	5567.446148	953098.885
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	20141211	170279.9549	3324.524713	20201	202	3324.524713	170279.9549
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	20150209	58240.85295	978.815948	20201	202	978.815948	58240.85295
Branchinecta lynchi	vernal pool fairy shrimp	20140819	10323729.69	17793.99649	20301	203	17793.99649	10323729.69
Branchinecta lynchi	vernal pool fairy shrimp	20150508	5203041.351	12857.48193	20301	203	12857.48193	5203041.351
Branchinecta lynchi	vernal pool fairy shrimp	20140821	2618355.134	6500.561773	20301	203	6500.561773	2618355.134
Branchinecta lynchi	vernal pool fairy shrimp	20020712	1318446.141	4863.255325	20302	803	4863.255325	1318446.141
Branchinecta lynchi	vernal pool fairy shrimp	19970320	1215027.851	4730.810927	20301	203	4730.810927	1215027.851
Branchinecta lynchi	vernal pool fairy shrimp	20140811	1130890.887	3769.842465	20601	206	3769.842465	1130890.887
Branchinecta lynchi	vernal pool fairy shrimp	20141114	580535.662	12183.10491	20201	202	12183.10491	580535.662
Branchinecta lynchi	vernal pool fairy shrimp	20170301	475739.9329	9520.213116	20201	202	9520.213116	475739.9329
Branchinecta lynchi	vernal pool fairy shrimp	20141113	391626.817	5688.169874	20201	202	5688.169874	391626.817
Branchinecta lynchi	vernal pool fairy shrimp	20140815	388942.5316	3507.720359	20201	202	3507.720359	388942.5316
Branchinecta lynchi	vernal pool fairy shrimp	20200522	366821.3628	2423.282894	20201	202	2423.282894	366821.3628
Branchinecta lynchi	vernal pool fairy shrimp	20141114	319536.664	4880.159567	20201	202	4880.159567	319536.664
Branchinecta lynchi	vernal pool fairy shrimp	20140821	316516.6431	3183.6342	20301	203	3183.6342	316516.6431
Branchinecta lynchi	vernal pool fairy shrimp	20140818	291254.3863	3598.881054	20201	202	3598.881054	291254.3863
Branchinecta lynchi	vernal pool fairy shrimp	19960904	281406.0484	1882.887743	20501	205	1882.887743	281406.0484
Branchinecta lynchi	vernal pool fairy shrimp	20140924	279766.9627	5392.343845	20201	202	5392.343845	279766.9627
Branchinecta lynchi	vernal pool fairy shrimp	20170301	264029.3999	3796.897169	20201	202	3796.897169	264029.3999
Branchinecta lynchi	vernal pool fairy shrimp	20110708	242141.1631	2253.356046	20201	202	2253.356046	242141.1631
Branchinecta lynchi	vernal pool fairy shrimp	20141229	240041.1391	3421.327407	20201	202	3421.327407	240041.1391
Branchinecta lynchi	vernal pool fairy shrimp	20141113	186627.0686	2933.327547	20201	202	2933.327547	186627.0686
Branchinecta lynchi	vernal pool fairy shrimp	20141218	185796.4615	2926.445398	20201	202	2926.445398	185796.4615
Branchinecta lynchi	vernal pool fairy shrimp	20160526	181479.0081	3722.596726	20201	202	3722.596726	181479.0081
Branchinecta lynchi	vernal pool fairy shrimp	20170301	176961.5261	3353.728875	20301	203	3353.728875	176961.5261
Branchinecta lynchi	vernal pool fairy shrimp	20140822	162517.8572	2959.75013	20201	202	2959.75013	162517.8572
Branchinecta lynchi	vernal pool fairy shrimp	20141120	150923.2986	2848.615587	20201	202	2848.615587	150923.2986
Branchinecta lynchi	vernal pool fairy shrimp	20160801	134062.5917	1957.202591	20201	202	1957.202591	134062.5917
Branchinecta lynchi	vernal pool fairy shrimp	20141229	94866.14821	2056.351395	20201	202	2056.351395	94866.14821
Branchinecta lynchi	vernal pool fairy shrimp	20080429	76920.51773	1190.642247	20201	202	1190.642247	76920.51773
Branchinecta lynchi	vernal pool fairy shrimp	20141119	70602.60242	942.200277	20401	204	942.200277	70602.60242
Branchinecta lynchi	vernal pool fairy shrimp	20150107	70602.6002	942.200263	20401	204	942.200263	70602.6002
Branchinecta lynchi	vernal pool fairy shrimp	20140826	67620.01019	1151.17232	20201	202	1151.17232	67620.01019
Branchinecta lynchi	vernal pool fairy shrimp	20140822	62378.71998	1039.781495	20302	803	1039.781495	62378.71998
Branchinecta lynchi	vernal pool fairy shrimp	20150304	60487.78683	1302.906415	20201	202	1302.906415	60487.78683
Branchinecta lynchi	vernal pool fairy shrimp	20140822	60278.86727	1507.717812	20201	202	1507.717812	60278.86727
Branchinecta lynchi	vernal pool fairy shrimp	20141216	59907.39098	1393.814993	20201	202	1393.814993	59907.39098
Branchinecta lynchi	vernal pool fairy shrimp	20140825	59175.51098	994.000103	20201	202	994.000103	59175.51098
Branchinecta lynchi	vernal pool fairy shrimp	20141113	56229.96712	1246.882601	20201	202	1246.882601	56229.96712
Branchinecta lynchi	vernal pool fairy shrimp	20140909	56168.8727	1103.648761	20201	202	1103.648761	56168.8727
Branchinecta lynchi	vernal pool fairy shrimp	20150105	52226.77481	904.790551	20201	202	904.790551	52226.77481
Branchinecta lynchi	vernal pool fairy shrimp	20140924	40185.93063	1005.145455	20201	202	1005.145455	40185.93063
Branchinecta lynchi	vernal pool fairy shrimp	19930324	33666.47352	689.617671	20301	203	689.617671	33666.47352
Branchinecta lynchi	vernal pool fairy shrimp	20140814	26836.52734	584.475788	20201	202	584.475788	26836.52734
Branchinecta lynchi	vernal pool fairy shrimp	20200518	20105.86009	502.652754	20101	201	502.652754	20105.86009
Branchinecta lynchi	vernal pool fairy shrimp	19980420	20105.14767	502.648138	20101	201	502.648138	20105.14767
Branchinecta lynchi	vernal pool fairy shrimp	19970715	20105.12148	502.647897	20101	201	502.647897	20105.12148
Branchinecta lynchi	vernal pool fairy shrimp	20141113	20023.46183	502.133994	20101	201	502.133994	20023.46183
Branchinecta lynchi	vernal pool fairy shrimp	20140818	20023.37268	502.137014	20101	201	502.137014	20023.37268
Branchinecta lynchi	vernal pool fairy shrimp	19991222	20023.3701	502.13698	20101	201	502.13698	20023.3701
Branchinecta lynchi	vernal pool fairy shrimp	20140822	20023.33032	502.136482	20101	201	502.136482	20023.33032
Branchinecta lynchi	vernal pool fairy shrimp	20040622	20023.32597	502.136428	20101	201	502.136428	20023.32597
Branchinecta lynchi	vernal pool fairy shrimp	20141216	20023.3244	502.136401	20101	201	502.136401	20023.3244
Branchinecta lynchi	vernal pool fairy shrimp	20150302	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20140811	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20141031	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20170228	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20150107	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20140822	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20140825	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20141119	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20140826	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20140924	20023.32386	502.136401	20101	201	502.136401	20023.32386
Branchinecta lynchi	vernal pool fairy shrimp	20140826	20023.32342	502.136401	20101	201	502.136401	20023.32342

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SNAME	CNAME	LASTUPDATE	AREA	PERIMETER	AVLCODE	Symbology	Shape_Length	Shape_Area
Branchinecta lynchi	vernal pool fairy shrimp	19960618	20011.04073	502.102705	20102	801	502.102705	20011.04073
Branchinecta lynchi	vernal pool fairy shrimp	19960924	20010.97943	502.101947	20101	201	502.101947	20010.97943
Branchinecta lynchi	vernal pool fairy shrimp	20020321	20009.14106	502.078785	20101	201	502.078785	20009.14106
Branchinecta lynchi	vernal pool fairy shrimp	19960717	20008.98393	502.07683	20101	201	502.07683	20008.98393
Branchinecta lynchi	vernal pool fairy shrimp	19950630	20008.61886	502.072248	20101	201	502.072248	20008.61886
Branchinecta lynchi	vernal pool fairy shrimp	20200522	11589.28445	398.15932	20201	202	398.15932	11589.28445
Lepidurus packardi	vernal pool tadpole shrimp	19970311	3126756.627	6276.314676	20701	207	6276.314676	3126756.627
Lepidurus packardi	vernal pool tadpole shrimp	19970311	3126755.651	6276.313936	20701	207	6276.313936	3126755.651
Lepidurus packardi	vernal pool tadpole shrimp	20000120	1296241.248	4533.952817	20202	802	4533.952817	1296241.247
Lepidurus packardi	vernal pool tadpole shrimp	20150112	319781.0208	5577.143429	20201	202	5577.143429	319781.0208
Lepidurus packardi	vernal pool tadpole shrimp	20170228	281379.7639	1882.799707	20502	805	1882.799707	281379.7639
Lepidurus packardi	vernal pool tadpole shrimp	20150112	70602.60057	942.200263	20401	204	942.200263	70602.60057
Lepidurus packardi	vernal pool tadpole shrimp	19951113	20011.78321	502.111928	20101	201	502.111928	20011.78321
Lepidurus packardi	vernal pool tadpole shrimp	19951011	20011.78037	502.111886	20102	801	502.111886	20011.78037
Emys marmorata	western pond turtle	19960105	22500.65936	657.763762	20302	803	657.763762	22500.65936
Gonidea angulata	western ridged mussel	20200803	201051722.1	50264.84447	21003	810	50264.84447	201051722.1
Spea hammondii	western spadefoot	20000112	1130889.852	3769.840739	20601	206	3769.840739	1130889.852
Spea hammondii	western spadefoot	20200130	285744.138	3886.544056	20301	203	3886.544056	285744.138
Spea hammondii	western spadefoot	20200130	282629.0875	1884.766824	20501	205	1884.766824	282629.0875
Spea hammondii	western spadefoot	20200130	282628.8793	1884.764813	20501	205	1884.764813	282628.8793
Spea hammondii	western spadefoot	20200130	75608.38942	1196.987839	20201	202	1196.987839	75608.38942
Spea hammondii	western spadefoot	20190502	46083.40274	1079.199616	20201	202	1079.199616	46083.40274
Spea hammondii	western spadefoot	20190501	34946.19201	688.243591	20201	202	688.243591	34946.19201
Spea hammondii	western spadefoot	20200130	20105.86009	502.652754	20101	201	502.652754	20105.86009
Spea hammondii	western spadefoot	20200130	20105.86009	502.652754	20101	201	502.652754	20105.86009
Spea hammondii	western spadefoot	20200130	20073.77455	502.452112	20101	201	502.452112	20073.77455
Spea hammondii	western spadefoot	20000120	20027.77009	502.202382	20101	201	502.202382	20027.77009
Spea hammondii	western spadefoot	20000120	20023.27929	502.135843	20101	201	502.135843	20023.27929
Coccyzus americanus occidentalis	western yellow-billed cuckoo	20150403	201051722.1	50264.84447	21003	810	50264.84447	201051722.1
Elanus leucurus	white-tailed kite	19960214	22500.65936	657.763762	20302	803	657.763762	22500.65936
Elanus leucurus	white-tailed kite	20030617	20023.38808	502.136384	20101	201	502.136384	20023.38808
Elanus leucurus	white-tailed kite	20030618	20023.32581	502.136426	20101	201	502.136426	20023.32581
Elanus leucurus	white-tailed kite	20030617	20023.32566	502.136424	20101	201	502.136424	20023.32566
Elanus leucurus	white-tailed kite	20030618	20023.32524	502.13642	20101	201	502.13642	20023.32524
Elanus leucurus	white-tailed kite	20030618	20023.32439	502.136411	20101	201	502.136411	20023.32439
Elanus leucurus	white-tailed kite	20030618	20023.32335	502.136395	20101	201	502.136395	20023.32335
Elanus leucurus	white-tailed kite	20030618	20023.3231	502.136389	20101	201	502.136389	20023.3231
Elanus leucurus	white-tailed kite	20000330	20023.31214	502.136255	20101	201	502.136255	20023.31214
Elanus leucurus	white-tailed kite	19931207	20008.03813	502.065019	20101	201	502.065019	20008.03813
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	20180119	56799.84893	1988.167761	10201	102	1988.167761	56799.84893

CNPS Results

ScientificName	CommonName	Family	Lifeform	CRPR	GRank	SRank	CESA	FESA	BloomingPeriod	Habitat	MicroHabitat	ElevationLow_m	ElevationLow_ft	ElevationHigh_m	ElevationHigh_ft	CAEndemic	States
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.1	G2T1	S1	None	None	Jun-Sep	Meadows and seeps, Playas, Valley and foothill grassland	Alkaline	1	5	155	510	TRUE	CA
Balsamorhiza macrolepis	big-scale balsamroot	Asteraceae	perennial herb	1B.2	G2	S2	None	None	Mar-Jun	Chaparral, Cismontane woodland, Valley and foothill grassland	Serpentinite (sometimes)	45	150	1555	5100	TRUE	CA
Downingia pusilla	dwarf downingia	Campanulaceae	annual herb	2B.2	GU	S2	None	None	Mar-May	Valley and foothill grassland, Vernal pools		1	5	445	1460	FALSE	CA, SA
Sagittaria sanfordii	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	1B.2	G3	S3	None	None	May-Oct(Nov)	Marshes and swamps		0	0	650	2135	TRUE	CA
Fritillaria agrestis	stinkbells	Liliaceae	perennial bulbiferous herb	4.2	G3	S3	None	None	Mar-Jun	Chaparral, Cismontane woodland, Pinyon and juniper woodland, Valley and foothill grassland	Clay, Serpentinite (sometimes)	10	35	1555	5100	TRUE	CA
Gratiola heterosepala	Boggs Lake hedge-hyssop	Plantaginaceae	annual herb	1B.2	G2	S2	CE	None	Apr-Aug	Marshes and swamps, Vernal pools	Clay	10	35	2375	7790	FALSE	CA, OR
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Malvaceae	perennial rhizomatous herb (emergent)	1B.2	G5T3	S3	None	None	Jun-Sep	Marshes and swamps		0	0	120	395	TRUE	CA
Juncus leiospermus var. ahartii	Ahart's dwarf rush	Juncaceae	annual herb	1B.2	G2T1	S1	None	None	Mar-May	Valley and foothill grassland		30	100	229	750	TRUE	CA
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	Juncaceae	annual herb	1B.1	G2T2	S2	None	None	Mar-Jun	Chaparral, Cismontane woodland, Meadows and seeps, Valley and foothill grassland, Vernal pools	Vernally Mesic	35	115	1250	4100	TRUE	CA
Legenere limosa	legenere	Campanulaceae	annual herb	1B.1	G2	S2	None	None	Apr-Jun	Vernal pools		1	5	880	2885	TRUE	CA
Navarretia myersii ssp. myersii	pincushion navarretia	Polemoniaceae	annual herb	1B.1	G2T2	S2	None	None	Apr-May	Vernal pools		20	65	330	1085	TRUE	CA
Centromadia parryi ssp. rudis	Parry's rough tarplant	Asteraceae	annual herb	4.2	G3T3	S3	None	None	May-Oct	Valley and foothill grassland, Vernal pools	Alkaline, Roadsides (sometimes), Seeps, Vernally Mesic	0	0	100	330	TRUE	CA
Brodiaea rosea ssp. vallicola	valley brodiaea	Themidaceae	perennial bulbiferous herb	4.2	G5T3	S3	None	None	Apr-May(Jun)	Valley and foothill grassland, Vernal pools	Alluvial Terraces, Gravelly, Sandy, Silt	10	35	335	1100	TRUE	CA

CNPS Results

ScientificName	CommonName	Counties
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	ALA, KRN, MER, PLA, SOL
Balsamorhiza macrolepis	big-scale balsamroot	ALA, AMA, BUT, COL, ELD, LAK, MPA, NAP, PLA, SCL, SHA, SOL, SON, TEH, TUO
Downingia pusilla	dwarf downingia	FRE, MER, NAP, PLA, SAC, SJQ, SOL, SON, STA, TEH, YUB
Sagittaria sanfordii	Sanford's arrowhead	BUT, DNT, ELD, FRE, MAD, MER, MPA, MRN, NAP, SAC, SBD, SHA, SJQ, SOL, SUT, TEH, TUL, VEN, YUB
Fritillaria agrestis	stinkbells	ALA, CCA, COL, FRE, KNG, KRN, MEN, MER, MNT, MPA, PLA, SAC, SBA, SBT, SCL, SLO, SMT, SOL, STA, TUL, TUO, VEN, YOL, YUB
Gratiola heterosepala	Boggs Lake hedge-hyssop	FRE, LAK, LAS, MAD, MEN, MER, MOD, PLA, SAC, SHA, SIS, SJQ, SOL, SON, TEH
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	BUT, CCA, COL, GLE, SAC, SJQ, SOL, SUT, YOL
Juncus leiospermus var. ahartii	Ahart's dwarf rush	BUT, CAL, PLA, SAC, TEH, YUB
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	BUT, PLA, SHA, TEH
Legenere limosa	legenere	ALA, LAK, MNT, NAP, PLA, SAC, SCL, SHA, SJQ, SMT, SOL, SON, STA, TEH, YUB
Navarretia myersii ssp. myersii	pincushion navarretia	AMA, CAL, MAD, MER, PLA, SAC
Centromadia parryi ssp. rudis	Parry's rough tarplant	BUT, COL, GLE, LAK, MER, MOD, SAC, SJQ, SOL, STA, YOL
Brodiaea rosea ssp. vallicola	valley brodiaea	BUT, CAL, NEV, PLA, SAC, SJQ, SUT, YUB

CNPS Results

ScientificName	CommonName	Quads	EOTotal	EOA	EOB	EOC	EOD	EOX	EOU	EOHistorical	EORecent	EOExtant
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	Altamont (3712166), Coal Oil Canyon (3511911), Delta Ranch (3712016), Denverton (3812128), Dos Palos (3612086), Elmira (3812138), Gosford (3511931), Gustine (3712038), Ingomar (3712028), Lamont (3511838), Los Banos (3712017), Oildale (3511941), Roseville (3812173), San Luis Ranch (3712027), Volta (3712018)	35	9	7	4	0	1	14	22	13	34
Balsamorhiza macrolepis	big-scale balsamroot	Ackerson Mtn. (3711977), Altamont (3712166)*, Amador City (3812047), Ascension Mtn. (3711978), Bartlett Springs (3912226), Bear Valley (3712051), Brush Creek (3912163), Chico (3912167), Cordelia (3812222), Coulterville (3712062), El Portal (3711967), Gilroy (3712115), Hayward (3712261), Hornitos (3712052), Hou	51	8	10	2	0	2	29	23	28	49
Downingia pusilla	dwarf downingia	Allendale (3812148), Antioch North (3812117), Black Butte Dam (3912273), Browns Valley (3912124), Camp Far West (3912113), Capell Valley (3812242), Clay (3812132), Cooperstown (3712065), Corning (3912282), Cuttings Wharf (3812223), Denverton (3812128), Dozier (3812137), Elk Grove (3812143), Elmira (381213	132	13	50	10	6	7	46	92	40	125
Sagittaria sanfordii	Sanford's arrowhead	Atwater (3712035), Bend (4012232), Berry Creek (3912164), Biggs (3912146), Bruceville (3812134), Buffalo Creek (3812152), Carbondale (3812141), Carmichael (3812153), Citrus Heights (3812163), Clarksville (3812161), Clovis (3611976), Courtland (3812135), Crescent City (4112472), Cucamonga Peak (3411725), Dales (4	126	14	35	29	4	9	35	49	77	117
Fritillaria agrestis	stinkbells	Altamont (3712166), Ano Nuevo (3712213), Antioch North (3812117), Antioch South (3712187), Arbuckle (3912211), Atascadero (3512046), Ballinger Canyon (3411984), Brentwood (3712186), Burnett Peak (3512172), Burro Mountain (3512173), Byron Hot Springs (3712176), Caliente Mtn. (3511917), Camatta Ranch (351	32	2	9	8	0	2	11	32	0	30
Gratiola heterosepala	Boggs Lake hedge-hyssop	Ambrose (4112058), Ambrose Valley (4112027), Balls Ferry (4012242), Bend (4012232), Big Sage Reservoir (4112056), Boles Meadows West (4112068), Buffalo Creek (3812152), Bullard Lake (4012078), Cable Mtn. (4012183), Carmichael (3812153), Champs Flat (4012068), Clearlake Highlands (3812286), Corning (3912282	99	18	31	13	3	5	29	76	23	94
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Bouldin Island (3812115), Bruceville (3812134), Butte City (3912148), Clarksburg (3812145), Clifton Court Forebay (3712175), Courtland (3812135), Dozier (3812137), Florin (3812144), Gilsizer Slough (3912116), Grays Bend (3812166), Hamlin Canyon (3912166), Holt (3712184), Isleton (3812125), Jersey Island (3812116), K	173	0	78	38	16	1	40	79	94	172
Juncus leiospermus var. ahartii	Ahart's dwarf rush	Biggs (3912146), Buffalo Creek (3812152)*, Carmichael (3812153), Honcut (3912135), Lincoln (3812183), Loma Rica (3912134), Palermo (3912145), Red Bluff East (4012222), Valley Springs SW (3812018)	13	1	6	2	1	1	2	8	5	12
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	Balls Ferry (4012242), Bend (4012232), Black Butte Dam (3912273), Blossom (4012224), Burney (4012186), Burney Falls (4112116), Burney Mtn. West (4012176), Campbell Mound (3912187), Cherokee (3912165), Cottonwood (4012243), Enterprise (4012253), Henleyville (3912283), Olinda (4012244), Oroville (3912155), I	62	7	18	8	3	4	22	29	33	58
Legenere limosa	legenere	Balls Ferry (4012242), Browns Valley (3912124), Bruceville (3812134), Buffalo Creek (3812152), Carbondale (3812141), Carmichael (3812153), Clay (3812132), Clements (3812121), Cottonwood (4012243), Cuttings Wharf (3812223), Dales (4012231), Denverton (3812128), Dozier (3812137), Elk Grove (3812143), Elmira (38	83	11	30	10	3	9	20	48	35	74
Navarretia myersii ssp. myersii	pincushion navarretia	Carbondale (3812141), Folsom (3812162), Goose Creek (3812131), Haystack Mtn. (3712043), Ione (3812038), Irish Hill (3812048), Lanes Bridge (3611987), Lincoln (3812183), Owens Reservoir (3712032), Valley Springs SW (3812018)	16	3	2	0	0	0	11	9	7	16
Centromadia parryi ssp. rudis	Parry's rough tarplant	Adin (4112028), Arbuckle (3912211), Big Swamp (4112121), Birds Landing (3812127), Bruceville (3812134), Brush Lake (3712151), Butte City (3912148), Clarksburg (3812145), Colusa (3912221), Courtland (3812135), Davis (3812156), Dozier (3812137), Elmira (3812138), Florin (3812144), Glenn (3912251), Grays Bend (381	0	0	0	0	0	0	0	0	0	0
Brodiaea rosea ssp. vallicola	valley brodiaea	Buffalo Creek (3812152), Camp Far West (3912113), Carbondale (3812141), Carmichael (3812153), Cherokee (3912165), Chico (3912167), Citrus Heights (3812163), Clements (3812121), Folsom (3812162), Goose Creek (3812131), Hamlin Canyon (3912166), Honcut (3912135), Jenny Lind (3812017), Lincoln (3812183), Nor	0	0	0	0	0	0	0	0	0	0

CNPS Results

ScientificName	CommonName	EOPossiblyExtirpated	EOExtirpated	EOThreatList	Notes
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	0	1	23	Apparently extirpated from much of the lower San Joaquin Valley. Threatened by agricultural conversion, development, and grazing. See Brittonia 25:135-158 (1973) for revised nomenclature.
Balsamorhiza macrolepis	big-scale balsamroot	1	1	29	Threatened by grazing. Potentially threatened by residential or recreational development. Possibly threatened by energy development and non-native plants. See Annals of the Missouri Botanical Garden 22:132 (1935) for original description.
Downingia pusilla	dwarf downingia	2	5	81	Threatened by urbanization, development, agriculture, grazing, non-native plants, vehicles, and industrial forestry.
Sagittaria sanfordii	Sanford's arrowhead	8	1	65	Extirpated from southern California, and mostly extirpated from the Central Valley. Several SAC Co. occurrences not relocated during fieldwork in 2005. Threatened by grazing, development, recreational activities, non-native plants, road widening, and channel alteration and maintenance. See Pittonia 2:158 (1890) for o
Fritillaria agrestis	stinkbells	2	0	24	Most populations small. Threatened by development, grazing, and vehicles. Possibly threatened by non-native plants.
Gratiola heterosepala	Boggs Lake hedge-hyssop	1	4	70	Threatened by agriculture, development, grazing, trampling, and vehicles. Known from one occurrence in OR, where state listed as Threatened. Lassen NF has adopted species management guidelines. See MadroÃ±o 12(5):150-152 (1954) for original description.
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	0	1	91	Most occurrences are very small. Seriously threatened by habitat disturbance, development, agriculture, recreational activites, and channelization of the Sacramento River and its tributaries. Also threatened by weed control measures and erosion. Possibly threatened by trail maintenance. See MadroÃ±o 56(2):104-111
Juncus leiospermus var. ahartii	Ahart's dwarf rush	1	0	8	Known from approximately 10 occurrences. Threatened by development. See Memoirs of the New York Botanical Garden 39:49 (1986) for original description.
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	3	1	38	Threatened by development, grazing, vehicles, industrial forestry, and agriculture. See Leaflets of Western Botany 5:113 (1948) for original description, and Memoirs of the New York Botanical Garden 39:46-51 (1986) for revised treatment.
Legenere limosa	legenere	1	8	59	Many historical occurrences extirpated. Threatened by grazing, road widening, non-native plants, and development. See Pittonia 2:81 (1890) for original description, North American Flora 32(1):13-14 (1943) for revised nomenclature, and Wasmann Journal of Biology 33(1-2):91 (1975) for distributional information.
Navarretia myersii ssp. myersii	pincushion navarretia	0	0	3	Threatened by development. Possibly threatened by non-native plants. See Novon 3(4):337 (1993) for original description.
Centromadia parryi ssp. rudis	Parry's rough tarplant	0	0		Threatened by development, habitat alteration and habitat disturbance. Possibly threatened by grazing and road maintenance. Protected on several refuges including Sacramento NWR, Colusa NWR, the Llano Seco Unit of the North Valley Wildlife Management Area, the Llano Seco Ranch, and the Vic Fazio Yolo Wetland
Brodiaea rosea ssp. vallicola	valley brodiaea	0	0		Threatened by urbanization. Previously assigned to B. coronaria; differentiated by staminodes strongly inrolled, tapering to an apex vs. staminodes flat to incurved, uniformly wide from base to obtuse apex in B. coronaria. Similar to B. rosea ssp. rosea, but with perianth always violet, most floral characters longer, and with

CNPS Results

ScientificName	CommonName	FullScientificName	Synonyms	ElementCode	USDAPlantsSymbol	CBRReason	DateAdded	LastUpdate
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	Chloropyron molle ssp. hispidum (Pennell) Tank & J.M. Egger	Cordylanthus mollis ssp. hispidus	PDSCR0J0D1			1/1/1974 0:00	10/4/2021 0:00
Balsamorhiza macrolepis	big-scale balsamroot	Balsamorhiza macrolepis	Balsamorhiza macrolepis var. macrolepis	PDAST11061	BAMA3		1/1/1974 0:00	8/25/2021 0:00
Downingia pusilla	dwarf downingia	Downingia pusilla	Downingia humilis	PDCAM060C0	DOPU3		1/1/1980 0:00	5/26/2021 0:00
Sagittaria sanfordii	Sanford's arrowhead	Sagittaria sanfordii		PMALI040Q0	SASA2		1/1/1984 0:00	5/26/2021 0:00
Fritillaria agrestis	stinkbells	Fritillaria agrestis		PMLIL0V010	FRAG		1/1/1980 0:00	1/5/2022 0:00
Gratiola heterosepala	Boggs Lake hedge-hyssop	Gratiola heterosepala		PDSCR0R060	GRHE		1/1/1974 0:00	1/5/2022 0:00
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Hibiscus lasiocarpos var. occidentalis (Torr.) A. Gray	Hibiscus californicus, Hibiscus lasiocarpos, Hibiscus lasiocarpus	PDMAL0H0R3			1/1/1974 0:00	1/5/2022 0:00
Juncus leiospermus var. ahartii	Ahart's dwarf rush	Juncus leiospermus var. ahartii B. Ertter		PMJUN011L1	JULEA		1/1/1984 0:00	1/5/2022 0:00
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	Juncus leiospermus var. leiospermus		PMJUN011L2	JULEL		1/1/1974 0:00	1/5/2022 0:00
Legenere limosa	legenere	Legenere limosa		PDCAM0C010	LELI		1/1/1974 0:00	5/26/2021 0:00
Navarretia myersii ssp. myersii	pincushion navarretia	Navarretia myersii ssp. myersii	Navarretia myersii	PDPLM0C0X1	NAMYM		1/1/1994 0:00	5/26/2021 0:00
Centromadia parryi ssp. rudis	Parry's rough tarplant	Centromadia parryi ssp. rudis (Greene) B.G. Baldwin		PDAST4R0P3	CEPAR4		5/22/2007 0:00	9/27/2021 0:00
Brodiaea rosea ssp. vallicola	valley brodiaea	Brodiaea rosea ssp. vallicola R.E. Preston		PMLIL0C0K2			1/7/2019 0:00	6/3/2021 0:00

BIOS

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status	Taxonomic_Sort
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3812184	SHERIDAN	Mapped	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3812174	PLEASANT GROVE	Mapped	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3812173	ROSEVILLE	Mapped	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3812173	ROSEVILLE	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Buteo regalis	ferruginous hawk	ABNKC19120	None	None	WL	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Accipitridae - Buteo regalis
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812175	VERONA	Mapped and Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812174	PLEASANT GROVE	Mapped and Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812173	ROSEVILLE	Mapped and Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812183	LINCOLN	Mapped	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812184	SHERIDAN	Mapped and Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812185	NICOLAUS	Mapped and Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3812164	RIO LINDA	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3812173	ROSEVILLE	Mapped	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3812163	CITRUS HEIGHTS	Mapped	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Accipitridae - Haliaeetus leucocephalus
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Aythya americana	redhead	ABNJB11030	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Anatidae - Aythya americana
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3812185	NICOLAUS	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3812184	SHERIDAN	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3812174	PLEASANT GROVE	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3812174	PLEASANT GROVE	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3812184	SHERIDAN	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3812185	NICOLAUS	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3812183	LINCOLN	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3812163	CITRUS HEIGHTS	Mapped	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3812164	RIO LINDA	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3812164	RIO LINDA	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3812175	VERONA	Mapped	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3812185	NICOLAUS	Mapped	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3812164	RIO LINDA	Mapped	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3812165	TAYLOR MONUMENT	Mapped	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Birds - Hirundinidae - Progne subis
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3812173	ROSEVILLE	Mapped and Unprocessed	Animals - Birds - Hirundinidae - Progne subis
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3812175	VERONA	Mapped	Animals - Birds - Hirundinidae - Riparia riparia
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3812185	NICOLAUS	Mapped and Unprocessed	Animals - Birds - Hirundinidae - Riparia riparia
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3812163	CITRUS HEIGHTS	Mapped	Animals - Birds - Hirundinidae - Riparia riparia
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812165	TAYLOR MONUMENT	Mapped	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812164	RIO LINDA	Mapped	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812185	NICOLAUS	Mapped	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812184	SHERIDAN	Mapped	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812183	LINCOLN	Mapped	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812175	VERONA	Mapped and Unprocessed	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812173	ROSEVILLE	Mapped	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Threatened	SSC	-	3812174	PLEASANT GROVE	Mapped	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3812185	NICOLAUS	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3812175	VERONA	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3812164	RIO LINDA	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Chlidonias niger	black tern	ABNNM10020	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Laridae - Chlidonias niger
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia

BIOS

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status	Taxonomic_Sort
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3812185	NICOLAUS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Passerellidae - Ammodramus savannarum
Animals - Birds	Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	None	None	SSC	-	3812173	ROSEVILLE	Mapped	Animals - Birds - Passerellidae - Ammodramus savannarum
Animals - Birds	Melospiza melodia	song sparrow (-inModesto-in population)	ABPBXA3010	None	None	SSC	-	3812183	LINCOLN	Mapped	Animals - Birds - Passerellidae - Melospiza melodia
Animals - Birds	Melospiza melodia	song sparrow (-inModesto-in population)	ABPBXA3010	None	None	SSC	-	3812164	RIO LINDA	Mapped	Animals - Birds - Passerellidae - Melospiza melodia
Animals - Birds	Melospiza melodia	song sparrow (-inModesto-in population)	ABPBXA3010	None	None	SSC	-	3812165	TAYLOR MONUMENT	Mapped	Animals - Birds - Passerellidae - Melospiza melodia
Animals - Birds	Pelecanus erythrorhynchos	American white pelican	ABNFC01010	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus erythrorhynchos
Animals - Birds	Melanerpes lewis	Lewis' woodpecker	ABNYF04010	None	None	-	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Picidae - Melanerpes lewis
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3812183	LINCOLN	Mapped	Animals - Birds - Rallidae - Laterallus jamaicensis coturniculus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3812174	PLEASANT GROVE	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3812174	PLEASANT GROVE	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3812175	VERONA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3812173	ROSEVILLE	Mapped	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3812183	LINCOLN	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Plegadis chihi	white-faced ibis	ABNGE02020	None	None	WL	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Birds - Threskiornithidae - Plegadis chihi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Empidonax traillii	willow flycatcher	ABPAE33040	None	Endangered	-	-	3812183	LINCOLN	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii
Animals - Birds	Empidonax traillii	willow flycatcher	ABPAE33040	None	Endangered	-	-	3812175	VERONA	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii
Animals - Crustaceans	Branchinecta conservatio	Conservancy fairy shrimp	ICBRA03010	Endangered	None	-	-	3812173	ROSEVILLE	Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta conservatio
Animals - Crustaceans	Branchinecta conservatio	Conservancy fairy shrimp	ICBRA03010	Endangered	None	-	-	3812184	SHERIDAN	Mapped	Animals - Crustaceans - Branchinectidae - Branchinecta conservatio
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3812184	SHERIDAN	Mapped and Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta lynchi
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3812183	LINCOLN	Mapped and Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta lynchi
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3812173	ROSEVILLE	Mapped and Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta lynchi
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3812174	PLEASANT GROVE	Mapped and Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta lynchi
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3812175	VERONA	Mapped	Animals - Crustaceans - Branchinectidae - Branchinecta lynchi
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta lynchi
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3812163	CITRUS HEIGHTS	Mapped	Animals - Crustaceans - Branchinectidae - Branchinecta lynchi
Animals - Crustaceans	Branchinecta mesovallensis	midvalley fairy shrimp	ICBRA03150	None	None	-	-	3812184	SHERIDAN	Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta mesovallensis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812184	SHERIDAN	Mapped and Unprocessed	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812185	NICOLAUS	Mapped	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812183	LINCOLN	Mapped and Unprocessed	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812175	VERONA	Mapped	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812174	PLEASANT GROVE	Mapped and Unprocessed	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812173	ROSEVILLE	Mapped and Unprocessed	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812163	CITRUS HEIGHTS	Mapped and Unprocessed	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3812165	TAYLOR MONUMENT	Mapped	Animals - Crustaceans - Chirocephalidae - Linderiella occidentalis
Animals - Crustaceans	Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Crustaceans - Triopsidae - Lepidurus packardi
Animals - Crustaceans	Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3812173	ROSEVILLE	Mapped and Unprocessed	Animals - Crustaceans - Triopsidae - Lepidurus packardi
Animals - Crustaceans	Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3812174	PLEASANT GROVE	Mapped and Unprocessed	Animals - Crustaceans - Triopsidae - Lepidurus packardi
Animals - Crustaceans	Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3812175	VERONA	Mapped	Animals - Crustaceans - Triopsidae - Lepidurus packardi
Animals - Crustaceans	Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3812185	NICOLAUS	Mapped	Animals - Crustaceans - Triopsidae - Lepidurus packardi
Animals - Crustaceans	Lepidurus packardi	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3812184	SHERIDAN	Mapped and Unprocessed	Animals - Crustaceans - Triopsidae - Lepidurus packardi
Animals - Fish	Acipenser medirostris	green sturgeon	AFCAA01030	None	None	SSC	-	3812185	NICOLAUS	Unprocessed	Animals - Fish - Acipenseridae - Acipenser medirostris
Animals - Fish	Acipenser medirostris	green sturgeon	AFCAA01030	None	None	SSC	-	3812175	VERONA	Unprocessed	Animals - Fish - Acipenseridae - Acipenser medirostris
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3812175	VERONA	Unprocessed	Animals - Fish - Acipenseridae - Acipenser medirostris pop. 1
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Acipenseridae - Acipenser medirostris pop. 1
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3812185	NICOLAUS	Unprocessed	Animals - Fish - Cottidae - Cottus gulosus
Animals - Fish	Lavinia exilicauda exilicauda	Sacramento hitch	AFCJB19012	None	None	SSC	-	3812175	VERONA	Unprocessed	Animals - Fish - Cyprinidae - Lavinia exilicauda exilicauda
Animals - Fish	Lavinia exilicauda exilicauda	Sacramento hitch	AFCJB19012	None	None	SSC	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Cyprinidae - Lavinia exilicauda exilicauda
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCJB25010	None	None	SSC	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Cyprinidae - Mylopharodon conocephalus
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCJB25010	None	None	SSC	-	3812175	VERONA	Unprocessed	Animals - Fish - Cyprinidae - Mylopharodon conocephalus
Animals - Fish	Pogonichthys macrolepidotus	Sacramento splittail	AFCJB34020	None	None	SSC	-	3812175	VERONA	Mapped and Unprocessed	Animals - Fish - Cyprinidae - Pogonichthys macrolepidotus
Animals - Fish	Pogonichthys macrolepidotus	Sacramento splittail	AFCJB34020	None	None	SSC	-	3812185	NICOLAUS	Mapped	Animals - Fish - Cyprinidae - Pogonichthys macrolepidotus
Animals - Fish	Pogonichthys macrolepidotus	Sacramento splittail	AFCJB34020	None	None	SSC	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Fish - Cyprinidae - Pogonichthys macrolepidotus
Animals - Fish	Hysterocarpus traskii traskii	Sacramento-San Joaquin tule perch	AFCQK02012	None	None	-	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Embiotocidae - Hysterocarpus traskii traskii
Animals - Fish	Hysterocarpus traskii traskii	Sacramento-San Joaquin tule perch	AFCQK02012	None	None	-	-	3812175	VERONA	Unprocessed	Animals - Fish - Embiotocidae - Hysterocarpus traskii traskii
Animals - Fish	Hypomesus transpacificus	Delta smelt	AFCHB01040	Threatened	Endangered	-	-	3812175	VERONA	Unprocessed	Animals - Fish - Osmeridae - Hypomesus transpacificus
Animals - Fish	Hypomesus transpacificus	Delta smelt	AFCHB01040	Threatened	Endangered	-	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Osmeridae - Hypomesus transpacificus
Animals - Fish	Spirinchus thaleichthys	longfin smelt	AFCHB03010	Candidate	Threatened	-	-	3812165	TAYLOR MONUMENT	Mapped	Animals - Fish - Osmeridae - Spirinchus thaleichthys
Animals - Fish	Entosphenus tridentatus	Pacific lamprey	AFBAA02100	None	None	SSC	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Fish - Petromyzontidae - Entosphenus tridentatus
Animals - Fish	Lampetra ayresii	western river lamprey	AFBAA02030	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Fish - Petromyzontidae - Lampetra ayresii
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812183	LINCOLN	Mapped	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812185	NICOLAUS	Mapped	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812175	VERONA	Mapped and Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812174	PLEASANT GROVE	Mapped	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812173	ROSEVILLE	Mapped	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812163	CITRUS HEIGHTS	Mapped	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812164	RIO LINDA	Mapped	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 11
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3812175	VERONA	Mapped and Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 11
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3812185	NICOLAUS	Mapped and Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 11
Animals - Fish	Oncorhynchus tshawytscha pop. 13	chinook salmon - Central Valley fall / late fall-run ESU	AFCHA0205N	None	None	SSC	-	3812175	VERONA	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 13
Animals - Fish	Oncorhynchus tshawytscha pop. 13	chinook salmon - Central Valley fall / late fall-run ESU	AFCHA0205N	None	None	SSC	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 13

BIOS

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status	Taxonomic_Sort
Animals - Fish	Oncorhynchus tshawytscha pop. 7	chinook salmon - Sacramento River winter-run ESU	AFCHA0205B	Endangered	Endangered	-	-	3812165	TAYLOR MONUMENT	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 7
Animals - Fish	Oncorhynchus tshawytscha pop. 7	chinook salmon - Sacramento River winter-run ESU	AFCHA0205B	Endangered	Endangered	-	-	3812175	VERONA	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 7
Animals - Insects	Andrena subapasta	An andrenid bee	IIHYM35210	None	None	-	-	3812173	ROSEVILLE	Mapped	Animals - Insects - Andrenidae - Andrena subapasta
Animals - Insects	Andrena subapasta	An andrenid bee	IIHYM35210	None	None	-	-	3812163	CITRUS HEIGHTS	Mapped	Animals - Insects - Andrenidae - Andrena subapasta
Animals - Insects	Anthicus antiochensis	Antioch Dunes anthicid beetle	IICOL49020	None	None	-	-	3812185	NICOLAUS	Mapped	Animals - Insects - Anthicidae - Anthicus antiochensis
Animals - Insects	Anthicus sacramento	Sacramento anthicid beetle	IICOL49010	None	None	-	-	3812185	NICOLAUS	Mapped	Animals - Insects - Anthicidae - Anthicus sacramento
Animals - Insects	Cicindela hirticollis abrupta	Sacramento Valley tiger beetle	IICOL02106	None	None	-	-	3812185	NICOLAUS	Mapped	Animals - Insects - Carabidae - Cicindela hirticollis abrupta
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3812185	NICOLAUS	Mapped	Animals - Insects - Cerambycidae - Desmocerus californicus dimorphus
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3812184	SHERIDAN	Mapped	Animals - Insects - Cerambycidae - Desmocerus californicus dimorphus
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3812175	VERONA	Mapped	Animals - Insects - Cerambycidae - Desmocerus californicus dimorphus
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3812163	CITRUS HEIGHTS	Mapped and Unprocessed	Animals - Insects - Cerambycidae - Desmocerus californicus dimorphus
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3812165	TAYLOR MONUMENT	Mapped	Animals - Insects - Cerambycidae - Desmocerus californicus dimorphus
Animals - Insects	Hydrochara rickseckeri	Ricksecker's water scavenger beetle	IICOL5V010	None	None	-	-	3812173	ROSEVILLE	Mapped	Animals - Insects - Hydrophilidae - Hydrochara rickseckeri
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3812184	SHERIDAN	Unprocessed	Animals - Mammals - Canidae - Vulpes vulpes patwin
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3812164	RIO LINDA	Unprocessed	Animals - Mammals - Canidae - Vulpes vulpes patwin
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Mammals - Canidae - Vulpes vulpes patwin
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3812173	ROSEVILLE	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3812184	SHERIDAN	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mollusks	Gonidea angulata	western ridged mussel	IMBIV19010	None	None	-	-	3812164	RIO LINDA	Mapped	Animals - Mollusks - Unionidae - Gonidea angulata
Animals - Mollusks	Gonidea angulata	western ridged mussel	IMBIV19010	None	None	-	-	3812165	TAYLOR MONUMENT	Mapped	Animals - Mollusks - Unionidae - Gonidea angulata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812185	NICOLAUS	Mapped	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812183	LINCOLN	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812184	SHERIDAN	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812173	ROSEVILLE	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812174	PLEASANT GROVE	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3812175	VERONA	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3812175	VERONA	Mapped and Unprocessed	Animals - Reptiles - Natricidae - Thamnophis gigas
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3812185	NICOLAUS	Mapped	Animals - Reptiles - Natricidae - Thamnophis gigas
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3812165	TAYLOR MONUMENT	Mapped and Unprocessed	Animals - Reptiles - Natricidae - Thamnophis gigas
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3812164	RIO LINDA	Mapped and Unprocessed	Animals - Reptiles - Natricidae - Thamnophis gigas
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3812163	CITRUS HEIGHTS	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Community - Terrestrial	Alkali Meadow	Alkali Meadow	CTT45310CA	None	None	-	-	3812173	ROSEVILLE	Mapped	Community - Terrestrial - Alkali Meadow
Community - Terrestrial	Alkali Seep	Alkali Seep	CTT45320CA	None	None	-	-	3812173	ROSEVILLE	Mapped	Community - Terrestrial - Alkali Seep
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3812185	NICOLAUS	Mapped	Community - Terrestrial - Great Valley Mixed Riparian Forest
Community - Terrestrial	Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	CTT44120CA	None	None	-	-	3812164	RIO LINDA	Mapped	Community - Terrestrial - Northern Claypan Vernal Pool
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3812164	RIO LINDA	Mapped	Community - Terrestrial - Northern Hardpan Vernal Pool
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3812183	LINCOLN	Mapped	Community - Terrestrial - Northern Hardpan Vernal Pool
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3812173	ROSEVILLE	Mapped	Community - Terrestrial - Northern Hardpan Vernal Pool
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3812173	ROSEVILLE	Mapped	Community - Terrestrial - Northern Volcanic Mud Flow Vernal Pool
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3812163	CITRUS HEIGHTS	Mapped	Community - Terrestrial - Northern Volcanic Mud Flow Vernal Pool
Plants - Vascular	Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	None	None	-	1B.2	3812163	CITRUS HEIGHTS	Mapped	Plants - Vascular - Alismataceae - Sagittaria sanfordii
Plants - Vascular	Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	None	None	-	1B.2	3812164	RIO LINDA	Mapped and Unprocessed	Plants - Vascular - Alismataceae - Sagittaria sanfordii
Plants - Vascular	Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	None	None	-	1B.2	3812185	NICOLAUS	Mapped	Plants - Vascular - Alismataceae - Sagittaria sanfordii
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3812183	LINCOLN	Mapped	Plants - Vascular - Asteraceae - Balsamorhiza macrolepis
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3812173	ROSEVILLE	Mapped	Plants - Vascular - Asteraceae - Balsamorhiza macrolepis
Plants - Vascular	Centromadia parryi ssp. rudis	Parry's rough tarplant	PDAST4R0P3	None	None	-	4.2	3812165	TAYLOR MONUMENT	Unprocessed	Plants - Vascular - Asteraceae - Centromadia parryi ssp. rudis
Plants - Vascular	Downingia pusilla	dwarf downingia	PDCAM060C0	None	None	-	2B.2	3812164	RIO LINDA	Mapped and Unprocessed	Plants - Vascular - Campanulaceae - Downingia pusilla
Plants - Vascular	Downingia pusilla	dwarf downingia	PDCAM060C0	None	None	-	2B.2	3812173	ROSEVILLE	Mapped	Plants - Vascular - Campanulaceae - Downingia pusilla
Plants - Vascular	Downingia pusilla	dwarf downingia	PDCAM060C0	None	None	-	2B.2	3812174	PLEASANT GROVE	Mapped	Plants - Vascular - Campanulaceae - Downingia pusilla
Plants - Vascular	Downingia pusilla	dwarf downingia	PDCAM060C0	None	None	-	2B.2	3812183	LINCOLN	Mapped	Plants - Vascular - Campanulaceae - Downingia pusilla
Plants - Vascular	Downingia pusilla	dwarf downingia	PDCAM060C0	None	None	-	2B.2	3812184	SHERIDAN	Mapped	Plants - Vascular - Campanulaceae - Downingia pusilla
Plants - Vascular	Legenere limosa	legenere	PDCAM0C010	None	None	-	1B.1	3812173	ROSEVILLE	Mapped	Plants - Vascular - Campanulaceae - Legenere limosa
Plants - Vascular	Legenere limosa	legenere	PDCAM0C010	None	None	-	1B.1	3812164	RIO LINDA	Mapped	Plants - Vascular - Campanulaceae - Legenere limosa
Plants - Vascular	Juncus leiospermus var. ahartii	Ahart's dwarf rush	PMJUN011L1	None	None	-	1B.2	3812183	LINCOLN	Mapped	Plants - Vascular - Juncaceae - Juncus leiospermus var. ahartii
Plants - Vascular	Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3812173	ROSEVILLE	Mapped	Plants - Vascular - Juncaceae - Juncus leiospermus var. leiospermus
Plants - Vascular	Fritillaria agrestis	stinkbells	PMLIL0V010	None	None	-	4.2	3812173	ROSEVILLE	Unprocessed	Plants - Vascular - Liliaceae - Fritillaria agrestis
Plants - Vascular	Fritillaria agrestis	stinkbells	PMLIL0V010	None	None	-	4.2	3812183	LINCOLN	Unprocessed	Plants - Vascular - Liliaceae - Fritillaria agrestis
Plants - Vascular	Fritillaria agrestis	stinkbells	PMLIL0V010	None	None	-	4.2	3812164	RIO LINDA	Mapped and Unprocessed	Plants - Vascular - Liliaceae - Fritillaria agrestis
Plants - Vascular	Fritillaria agrestis	stinkbells	PMLIL0V010	None	None	-	4.2	3812163	CITRUS HEIGHTS	Mapped and Unprocessed	Plants - Vascular - Liliaceae - Fritillaria agrestis
Plants - Vascular	Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3812175	VERONA	Mapped	Plants - Vascular - Malvaceae - Hibiscus lasiocarpos var. occidentalis
Plants - Vascular	Chloropyron molle ssp. hispidum	hispid salty bird's-beak	PDSCR0J0D1	None	None	-	1B.1	3812173	ROSEVILLE	Mapped and Unprocessed	Plants - Vascular - Orobanchaceae - Chloropyron molle ssp. hispidum
Plants - Vascular	Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	-	1B.2	3812173	ROSEVILLE	Mapped	Plants - Vascular - Plantaginaceae - Gratiola heterosepala
Plants - Vascular	Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	-	1B.2	3812174	PLEASANT GROVE	Mapped	Plants - Vascular - Plantaginaceae - Gratiola heterosepala
Plants - Vascular	Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	-	1B.2	3812183	LINCOLN	Mapped	Plants - Vascular - Plantaginaceae - Gratiola heterosepala
Plants - Vascular	Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	-	1B.2	3812164	RIO LINDA	Mapped	Plants - Vascular - Plantaginaceae - Gratiola heterosepala
Plants - Vascular	Navarretia myersii ssp. myersii	pincushion navarretia	PDPLM0C0X1	None	None	-	1B.1	3812183	LINCOLN	Mapped	Plants - Vascular - Polemoniaceae - Navarretia myersii ssp. myersii
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLIL0C0K2	None	None	-	4.2	3812183	LINCOLN	Unprocessed	Plants - Vascular - Themidaceae - Brodiaea rosea ssp. vallicola
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLIL0C0K2	None	None	-	4.2	3812174	PLEASANT GROVE	Unprocessed	Plants - Vascular - Themidaceae - Brodiaea rosea ssp. vallicola
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLIL0C0K2	None	None	-	4.2	3812173	ROSEVILLE	Unprocessed	Plants - Vascular - Themidaceae - Brodiaea rosea ssp. vallicola
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLIL0C0K2	None	None	-	4.2	3812164	RIO LINDA	Unprocessed	Plants - Vascular - Themidaceae - Brodiaea rosea ssp. vallicola
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLIL0C0K2	None	None	-	4.2	3812163	CITRUS HEIGHTS	Unprocessed	Plants - Vascular - Themidaceae - Brodiaea rosea ssp. vallicola

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To: January 10, 2022
Consultation Code: 08ESMF00-2022-SLI-0777
Event Code: 08ESMF00-2022-E-02353
Project Name: SMUD Country Acres

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to

utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2022-SLI-0777
Event Code: Some(08ESMF00-2022-E-02353)
Project Name: SMUD Country Acres
Project Type: ** OTHER **
Project Description: Proposed solar facility on leased agricultural land in placer county California

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@38.7929725,-121.42364961290221,14z

Counties: Placer County, California

Endangered Species Act Species

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Reptiles

NAME	STATUS
Giant Garter Snake *Thamnophis gigas*	Threatened

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/4482

Amphibians

NAME	STATUS
California Red-legged Frog *Rana draytonii*	Threatened

There is **final** critical habitat for this species. The location of the critical habitat is not available.
Species profile: https://ecos.fws.gov/ecp/species/2891

Fishes

NAME	STATUS
Delta Smelt *Hypomesus transpacificus*	Threatened

There is **final** critical habitat for this species. The location of the critical habitat is not available.
Species profile: https://ecos.fws.gov/ecp/species/321

Insects

NAME	STATUS
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate
Valley Elderberry Longhorn Beetle *Desmocerus californicus dimorphus* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7850	Threatened

Crustaceans

NAME	STATUS
Conservancy Fairy Shrimp *Branchinecta conservatio* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8246	Endangered
Vernal Pool Fairy Shrimp *Branchinecta lynchi* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp *Lepidurus packardi* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2246	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Table BR-1a. Special Status Plant Species with Potential for Occurrence in the SMUD Country Acres Region and their Potential to Occur in the Study Area

Scientific Name	Common Name	Regulatory Status			Habitat Requirements	Elevation Range (feet above msl)	Blooming Period	Potential for Occurrence*
		Fed	State	CRPR				
Balsamorhiza macrolepis	big-scale balsamroot	–	–	1B.2	Occurs on slopes in foothill woodlands and valley grasslands.	92 – 6,594	March – June	**Unlikely to occur.** Habitat for this species is present on the project site but there are no CNDDB occurrences within a 2-mile buffer. Most recent observation within a 10-mile buffer of the project area is a 1957 collection from 3.2 miles north of Roseville along HWY 99E.
Brodiaea rosea spp. *vallicola*	valley brodiaea	–	–	4.2	Valley and foothill grasslands, vernal pools.	35 – 1,100	April – June	**Unlikely to occur.** Habitat for this species is present on the project site (marginal vernal pool habitat and disturbed annual grassland) but there are no CNDDB occurrences within a 10-mile buffer of the project area.
Centromadia parryi ssp. *rudis*	Parry's rough tarplant	–	–	4.2	Valley and foothill grassland, vernal pools. Alkaline soils, roadsides, seeps, and vernally mesic habitat.	0 – 330	May – October	**Unlikely to occur.** Habitat for this species is present on the project site but there are no CNDDB occurrences within a 10-mile buffer of the project area. The presence of disturbed grassland, vernal pools, and valley seeps onsite and adjacent to the project area provide marginally suitable habitat.
Chloropyron molle ssp. *hispidum*	hispid salty bird's beak	–	–	1B.1	Meadows and seeps, playas, valley and foothill grasslands, alkaline soils.	5 – 510	June – Sep.	**Unlikely to occur.** Habitat for this species is present on the project site but there are no CNDDB occurrences within a 10-mile buffer of the project area. The presence of disturbed grassland, vernal pools, and valley seeps onsite and adjacent to the project area provide suitable habitat.
Downingia pusilla	dwarf downingia	–	–	2B.2	Valley and foothill grassland (mesic), vernal pools.	5 – 1,460	March – May	**Potential to occur.** Habitat for this species is present on the project site. There were eight occurrences identified by CNDDB within a 2-mile buffer of the project area. The closest occurrences were recorded just over a mile east of the project area.

Scientific Name	Common Name	Regulatory Status			Habitat Requirements	Elevation Range (feet above msl)	Blooming Period	Potential for Occurrence*
		Fed	State	CRPR				
Fritillaria agrestis	stinkbells	–	–	4.2	Chaparral, cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. Clay and serpentine soils.	35 – 5,100	March – June	**Unlikely to occur.** There is some habitat for this species present on the project site; however, the clay soils in the site are highly disturbed and developed for rice production. CNDDB shows four occurrences within a 10-mile buffer of the project site, however, no occurrences were within or adjacent to the project (no occurrences within a 2-mile buffer of the project site). No occurrences observed since 1997 within a 10-mile buffer of the project site.
Gratiola heterosepala	Boggs lake hedge-hyssop	–	–	1B.2	Marshes and swamps (lake margins), vernal pools, mud and shallow water. Clay soils.	35 – 7,790	April – August	**Potential to occur.** There is suitable habitat for this species within and adjacent to the project site. CNDDB showed a single occurrence of this species near the project area, approximately 1.5 miles due east of the easternmost boundary of the project site.
Hibiscus lasiocarpos var. *occidentalis*	woolly rose-mallow	–	–	1B.2	Freshwater marshes and swamps.	0 – 395	June – September	**Unlikely to occur.** There is marginal habitat for this species present onsite. CNDDB did not identify any occurrences within 10 miles of the project site. Amount of habitat present onsite is not significant to support an ongoing population of this species.
Juncus leiospermus var. *ahartii*	Ahart's dwarf rush	–	–	1B.2	Valley and foothill grasslands (mesic).	100 – 750	March – May	**Potential to occur.** There is some suitable habitat present onsite but no occurrences within proximity to the project area. CNDDB identified one occurrence within a 10-mile buffer of the project area in the Lincoln 7.5-minute quadrangle. CNPS shows the closest occurrence within the Lincoln 7.5-minute quadrangle.

Scientific Name	Common Name	Regulatory Status			Habitat Requirements	Elevation Range (feet above msl)	Blooming Period	Potential for Occurrence*
		Fed	State	CRPR				
Juncus leiospermus var. *leiospermus*	Red Bluff dwarf rush	–	–	1B.1	Chaparral, cismontane woodland, meadows and seeps, valley and foothill grasslands, vernal pools. Vernally mesic habitat.	115 – 4,100	March – June	**Unlikely to occur.** There is marginal vernal pool habitat on the project site, the species was not observed by AECOM biologists during field surveys. No CNDDB occurrences identified within a 10-mile buffer of the project site. The closest occurrence is within the Roseville 7.5-minute quadrangle. Marginal habitat for this species is present within and adjacent to the project area but no historic occurrences.
Legenere limosa	legenere	–	–	1B.1	Vernal pools.	5 – 2,885	April – June	**Potential to occur.** There is marginal vernal pool habitat on the project site. CNDDB identified six occurrences of this species within a 10-mile buffer of the project site; however, no occurrences were in proximity to the project site.
Navarretia myersii spp. *myersii*	Pincushion navarretia	–	–	1B.1	Vernal pools.	65 – 1,085	April – May	**Potential to occur.** There is marginal vernal pool habitat on the project site. CNDDB identified one occurrence of this species within a 10-mile buffer of the project site; however, no occurrences were in proximity to the project site.
Sagittaria sanfordii	Sanford's arrowhead	–	–	1B.2	Marshes and swamps (shallow freshwater)	0 – 2,135	May – October	**Low potential to occur.** There is marsh and seasonal wetland habitat that may be suitable for this species. CNDDB identified six occurrences within a 10-mile buffer of the project area. No occurrences within proximity to the project site.

Notes for Table BR-1

Notes: CNDDB = California Natural Diversity Database; CRPR = California Rare Plant Rank; Delta = Sacramento–San Joaquin Delta; msl = mean sea level

* **Potential for Occurrence:**

No Potential to Occur: No suitable habitat is present within or near the project site, the species' range does not include the project site, or the species is presumed extinct in California (CRPR 1A).

Unlikely to Occur: Project site is within the species' range; however, the species has not been recorded within the project site or vicinity, and habitat present is marginal for the species or habitat is reasonably suitable, but other factors, such as competition with nonnative plants or heavy disturbance (i.e., grazing, soil disking) indicate that presence of the species is not expected.

Low Potential to Occur: The species was identified during literature review as potentially occurring near the project site and habitat for the species is marginal or potentially suitable habitat may occur, but there are no records of species occurrence within the project site or its vicinity.

Potential to Occur: Project site is within the species' range and suitable habitat for the species is present; however, the species has not been recorded within the project site or existing records are historical and/or locational information is problematic/inaccurate, and species occurrence records may or may not occur in the project vicinity.

Known to Occur: The project site is within the species' range, suitable habitat for the species is present, and the species has been recorded within the project site and current conditions appear to approximate those at the time of the recorded occurrence.

California Rare Plant Rank (CRPR) Categories:

1B = Plant species considered rare or endangered in California and elsewhere (protected under CEQA, but not legally protected under the federal Endangered Species Act or California Endangered Species Act)

2B = Plant species considered rare or endangered in California but more common elsewhere (protected under CEQA, but not legally protected under the federal Endangered Species Act or California Endangered Species Act)

3 = Plants about which more information is needed (a review list); and

4 = Plants of limited distribution (a watch list).

California Rare Plant Rank (CRPR) Threat Rank Extensions:

.1 = Seriously endangered in California (>80% of occurrences are threatened and/or high degree and immediacy of threat)

.2 = Fairly endangered in California (20% to 80% of occurrences are threatened)

Sources: CDFW 2021; USFWS 2022; Baldwin et al. 2012

Table BR-1b. Special Status Wildlife Species with Potential for Occurrence in the SMUD Country Acres Region and their Potential to Occur in the Study Area

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Invertebrates				
Conservancy fairy shrimp *Branchinecta conservatio*	E	–/– PCCP covered species	Vernal pools and seasonal wetlands with moderately turbid water. Tulare County to Shasta County.	**No potential to occur**. There is suitable vernal pool habitat is present on the project site, however, the nearest observation is not within proximity to the project site. There was one CNDDB occurrence identified within the Sheridan 7.5-minute quadrangle (CDFW 2021).
Vernal pool fairy shrimp *Branchinecta lynchi*	T	–/– PCCP covered species	Vernal pools and other seasonal wetlands in valley and foothill grasslands. Tends to occur in smaller wetland features (less than 0.05 acre in size).	**Potential to occur**. There is suitable vernal pool habitat is present on the project site. The nearest CNDDB observation is less than a mile from the northwestern portion of the project area. CNDDB identified 10 occurrences within a 2-mile buffer of the project site.
Vernal pool tadpole shrimp *Lepidurus packardi*	E	–/– PCCP covered species	Vernal pools and other seasonal wetlands in valley and foothill grasslands that pond for sufficient duration to allow the species to complete its life cycle. Typically found in ponds ranging in size from 0.1 acre to 80 acres.	**Potential to occur**. Very little suitable (deep) vernal pool habitat is present on the project site. The nearest observations are within the Pleasant Grove 7.5 minute quadrangle (CDFW 2021). Eight occurrences were identified by CNDDB within a 10-mile buffer of the project area. The closest occurrence is at the southwest of the intersection of Pleasant Grove Rd and Sankey Road.
Valley elderberry longhorn beetle *Desmocerus californicus dimorphus*	T	–/– PCCP covered species	Requires elderberry shrubs; typically occur in riparian woodlands and upland habitats of the Central Valley.	**No potential to occur.** No elderberry shrubs present on the project site.

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Fish				
Delta Smelt *Hypomesus transpacificus*	T	E/–	Inhabits open waters of bays, tidal rivers, channels, and sloughs; rarely occurs in water with salinity of more than 10–12 ppt; when not spawning, found where salt water and freshwater mix; typically spawns upstream, but some spawning events have been documented in estuaries.	**No potential to occur**. No suitable aquatic habitat in the project site. Critical habitat for the species occurs in the Delta. The project site is outside of the species known range.
Steelhead–Central Valley DPS *Oncorhynchus mykiss irideus* pop. 11	T	–/– PCCP covered species	Cool, clear streams with abundant cover and well-vegetated banks, with relatively stable flows. Pool and riffle complexes and cold gravelly streambeds for spawning.	**Unlikely to occur**. No suitable aquatic habitat in the project site. This species is known to occur in the Delta from Chipps Island to the San Joaquin River at Dos Reis and Sacramento River at Garcia Bend. CNDDB identified a single occurrence within a 2-mile buffer of the project site in Roseville at Dry Creek and its tributaries, Secret Ravine and Miners Ravine.
Longfin Smelt *Spirinchus thaleichthys*	C	T/–	Uses estuaries, nearshore waters, and the lower portions of freshwater streams. Found in the San Francisco estuary and Delta, Humboldt Bay, and the estuaries of the Eel River and Klamath River.	**No potential to occur**. No suitable aquatic habitat in the project site. The species' main spawning grounds are in the Sacramento River, south of Rio Vista.
Amphibians and Reptiles				
California tiger salamander – Central California DPS *Ambystoma californiense pop. 1*	T	T/WL	Small ponds, lakes, or vernal pools in grasslands and oak woodlands for larvae; rodent burrows, rock crevices, or fallen logs for cover for adults and for summer dormancy.	**No potential to occur**. Only marginal suitable habitat present (ponds, lakes or vernal pools) in the project site. No CNDDB occurrences within a 10-mile buffer of the project site. Species was not observed by AECOM biologists during field surveys.

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Western pond turtle *Emys marmorata*	–	–/SSC PCCP covered species	Forages in ponds, marshes, slow-moving streams, sloughs, and irrigation/drainage ditches; nests in nearby uplands with low, sparse vegetation.	**Low potential to occur.** Pond turtles could potentially move through the project site during wet periods to disperse between aquatic sites and to nest within annual grassland habitats. CNDDB showed a single occurrence for this species within a 10-mile buffer of the project site. The closest occurrence is within the Rio Linda 7.5-minute quadrangle on McClellan Air Force Base (approximately 8 miles).
Foothill yellow-legged frog *Rana boylii*	–	E/SSC PCCP covered species	Found in most major Pacific-slope Sierra Nevada watersheds between upper Sacramento River and the Tehachapi Mountains. Streams and rivers with rocky substrate and open, sunny banks, in forests, chaparral, and woodlands from sea level to 6,700 feet. Sometimes found in isolated pools, vegetated backwaters, and deep, shaded, spring-fed pools	**No potential to occur**. No suitable habitat in the project site, and no CNDDB records within 10 miles of the project site (CDFW 2021).
California red-legged frog *Rana draytonii*	T	–/SSC PCCP covered species	Occurs throughout California and northern Baja California. Lowlands and foothills in or near permanent sources of deep water with dense, shrubby, or emergent riparian vegetation. Requires 11–20 weeks of permanent water for larval development and must have access to aestivation habitat. Endemic to California and Baja California, at elevations ranging from sea level to 1,524 meters (5,000 feet). Has a distinct aquatic and upland habitat requirement that includes pools of slow-moving streams, perennial or ephemeral ponds, and upland sheltering habitats.	**No potential to occur**. No CNDDB records within 10 miles of the project site. The project site is outside the species' range, and physical barriers prevent dispersal into the project site from the nearest occurrence.

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Giant garter snake *Thamnophis gigas*	T	T/– PCCP covered species	Slow-moving streams, sloughs, ponds, marshes, inundated floodplains, rice fields, and irrigation/drainage ditches on the Central Valley floor with mud bottoms, earthen banks, emergent vegetation, abundant small aquatic prey, and absence or low numbers of large predatory fish. Requires permanent water during the active season. Also requires upland refugia not subject to flooding during the snake's inactive season.	**Unlikely to occur**. Marginally suitable habitat present in the project site. However, the site does not connect to any existing populations or records of the species, and large predatory fish in the Sacramento River likely preclude the species from migrating to the site. CNDDB did not identify any occurrences within 2 miles of the project site, however, a database search identified 75 occurrences with 10 miles of the project site – predominantly occurring within the Taylor Monument and Verona 7.5-minute quadrangles (CDFW 2021). The closest occurrence is approximately 5 miles due east of the project site.
Western spadefoot *Spea Hammondii*	–	–/SSC	Open areas with gravelly, friable, or sandy soils in washes and vernal pools in the vicinity of grasslands, oak woodlands, coastal sage scrub, and chaparral. Breeds in ephemeral wetlands such as vernal pools and stock tanks, but occasionally breed in intermittent streams where larvae develop in isolated areas of the stream as it dries. Water temperatures in breeding pools must be between 9° C (48° F) and 30° Celsius (86° F) for reproduction and not contain exotic species such as American bullfrogs (*Rana catesbeianus*) and crayfish (Order Decapoda).	**Low potential to occur.** There is suitable habitat for this species within and adjacent to the project site. CNDDB identified a single occurrence within 2 miles of the project site and 12 occurrences within 10 miles of the project site. This species was not observed by AECOM biologists during field surveys, however, this species spends a significant amount of time below ground and is most active during seasonal flooding.

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Birds				
Tricolored blackbird *Agelaius tricolor* (nesting colony)	–	T/ SSC PCCP covered species	Forages in agricultural lands and grasslands; nests in marshes, riparian scrub, and other areas that support cattails or dense thickets of shrubs or herbs. Requires open water and protected nesting substrate, such as flooded, spiny, or thorny vegetation.	**Potential to occur**. Suitable nesting and foraging habitat in the project site. However, no nesting colonies recorded on-site; species was not observed by AECOM biologists during field surveys. CNDDB identified 20 occurrences within 10 miles of the project site with the closest located approximately 1 mile northeast of the project site boundary (CDFW 2021).
Grasshopper sparrow *Ammodramus savannarum* (nesting)	–	–/SSC	Nests and forages in dense grasslands; favors a mix of native grasses, forbs, and scattered shrubs.	**Unlikely to occur**. Ruderal areas throughout the project site provide suitable nesting and foraging habitat; however, there is only one occurrence identified by CNDDB within 10 miles of the project site (CDFW 2021).
Golden eagle *Aquila chrysaetos* (nesting and wintering)	–	–/FP, WL	Prefers open terrain for hunting, such as grasslands, meadows, deserts, savannas, and early successional stages of forest and shrub habitats. Nests in rugged, open habitats with canyons and escarpments, typically on cliffs and rock outcroppings; however, will also nest in large trees in open areas, including oaks, sycamores, redwoods, pines, and eucalyptus, overlooking open hunting habitat.	**No potential to occur**. No cliffs, large trees, or other structures for nesting are present on the project site. No nesting habitat. Golden eagles migrate through and winter in the Central Valley, but the valley floor is not within the core breeding range, and typical habitat is present in rolling foothills, mountains, and deserts. Species could perch in trees in the project site and could forage in ruderal habitat on the project site. No CNDDB occurrences within 10 miles of the project site.

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Burrowing owl *Athene cunicularia* (year-round)	–	–/SSC PCCP covered species	Nests and forages in grasslands, agricultural lands, open shrublands, and open woodlands with existing ground squirrel burrows or friable soils. Suitable burrow sites consist of short, herbaceous vegetation with only sparse cover of shrubs or taller herbs.	**Potential to occur**. Ruderal grassland throughout the project site, particularly where there are ground squirrel burrows, represents suitable nesting and foraging habitat. The project site is within the year-round range of the species. The study area contains suitable burrow sites and nesting habitat for this species. No breeding activity has been documented in the project area (CDFW 2021). CNDDB identified one occurrence within 2 miles of the project site however, the species was not observed by AECOM biologists during field surveys.
Swainson's hawk *Buteo swainsoni* (nesting)	–	T/– PCCP covered species	Forages in grasslands, irrigated pastures, and agricultural lands; nests in riparian and isolated trees.	**Known to occur**. There is suitable nesting and foraging habitat present on the project site. CNDDB identified 6 occurrences within 2 miles of the project site. AECOM Biologists observed this species on three separate occasions during field surveys. It is possible that this species may nest or occur within or adjacent to the project site.
Mountain plover *Charadrius montanus*	–	–/SSC	Forages on grasslands and plowed fields. Will roost in depressions of ungulate hoof prints and plowed furrows.	**No potential to occur**. No CNDDB occurrences within 10 miles of the project site. Seasonal flooding of agricultural fields may reduce habitat suitability for this species. Species was not observed by AECOM biologists during field surveys.
Yellow rail *Coturnicops noveboracensis*	–	–/SSC	Requires sedge marshes and meadows with moist soil and shallow standing water.	**No potential to occur**. No suitable habitat (sedge marsh or meadow) in the project site.
Northern harrier *Circus hudsonius* (nesting)	–	–/SSC	Uses a variety of open grassland, wetland, and agricultural habitats. Breeding habitats include marshy meadows, wet and lightly grazed pastures, and freshwater and brackish marshes; and dry upland habitats, such as grassland, cropland, drained marshland, and shrub-steppe in cold deserts.	**Known to occur**. There is suitable foraging and nesting habitat for this species within and adjacent to the project site. This species was observed by AECOM biologists within the study area during field surveys.

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
White-tailed kite *Elanus leucurus* (nesting)	–	–/FP	Individuals prefer open grasslands with dispersed trees for nesting and perching. Frequently found along tree-lined river valleys with contiguous open areas.	**Known to occur**. The species is known to occur within the study area and was observed by AECOM Biologists on April 26th, 2021. Ruderal vegetation and agricultural land-use throughout the project site provides suitable foraging habitat. There is potential nesting habitat within the few riparian/forested areas onsite. CNDDB identified 10 occurrences within 10 miles of the project site.
American peregrine falcon *Falco peregrinus anatum*	D	D/FP	Distributed throughout the United States. The habitat of the peregrine falcon includes many terrestrial biomes in North America. Most often, breeding peregrine falcons use habitats containing cliffs and almost always nest near water (Wheeler 2003; White et al. 2002). Peregrine falcons generally use open habitats for foraging. Nonbreeding peregrine falcons may also occur in open areas without cliffs. Many artificial habitats like towers, bridges, and buildings are also used by peregrine falcons (White et al. 2002).	**Unlikely to occur**. Occurs seasonally throughout the central valley. Suitable foraging habitat is found within the project site. CNDDB did not show any occurrences of the species within 10 miles of the project site (CNDDB data suppressed).
Long-eared owl *Asio otus*	–	–/FP	Forests and shrub lands that are near to open areas, such as grasslands. They can be found from sea level up to 2000 m elevation. They are common in tree belts along streams in dry habitats. This species is commonly found nesting in cliffs and riparian areas (in old tree nests; chiefly magpie nests). Suitable foraging habitat includes forested and riparian areas as well as forested fringes bordering agricultural and ruderal areas.	**Unlikely to occur.** A CNDDB search showed one occurrence within the Pleasant Grove 7.5-minute quadrangle. Long-eared owl was not observed by AECOM biologists during field surveys. There is low potential to occur within the project area.
Bald eagle *Haliaeetus leucocephalus* (nesting and wintering)	D	E/FP	Individuals forage primarily in large inland fish-bearing waters with adjacent large trees or snags; occasionally in uplands with abundant rabbits, other small mammals, or carrion. They often roost communally in winter.	**Unlikely to occur**. The nearest possible breeding territory would be centered on Grizzly Island approximately 4–5 miles west of the MHWRA (Estep Environmental Consulting 2018). The species could forage in the project site.

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Loggerhead shrike *Lanius ludovidianus* (nesting)	–	–/SSC	Forages in grasslands and agricultural fields, and nests in scattered shrubs and trees.	**Known to occur**. The species was observed foraging in the project site during field surveys in April 2021. The species is known to occur within the study area (AECOM 2021). The ruderal vegetation in the project site represents suitable foraging habitat. Nesting habitat is limited to scattered trees and shrubs. Agricultural fencing or sharp-leaved plants are part of a foraging requirement for this species, this requirement is present on and adjacent to the project site.
California black rail *Laterallus jamaicensis coturniculus*	–	T/FP	Inhabits freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays.	**Unlikely to occur**. No naturally occurring suitable habitat is present in the within or adjacent to the project site. The only potential nearby habitat exists along vegetated channels and tributaries of the Sacramento River. Some studies show that black rails may utilize/depend on flooded agricultural land to act as shallow-freshwater habitat. The closest CNDDB occurrence was recorded within the Lincoln 7.5 minute quadrangle (CDFW 2021).
Song sparrow ("Modesto population") *Melospiza melodia mailliardi*	–	–/SSC	Prefers riparian willow thickets, valley oak riparian with understory of blackberry, ruderal areas along levees and irrigation canals, and cattail and tule marshes.	**Low potential to occur**. Suitable habitat is present in the project site. CNDDB identified three occurrences within 10 miles of the project site. No occurrences were recorded within 2 miles of the project site (CDFW 2021). This species was not observed by AECOM biologists during field surveys.
California Ridgway's rail *Rallus obsoletus obsoletus*	E	E/FP	Lives in brackish water marshes in dense pickleweed and cordgrass.	**No potential to occur**. No brackish marshes in the project site. No known occurrences have been documented within 10 miles of the project site (CDFW 2021).

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		
Bank swallow *Riparia riparia*	–	T/–	Forages in open riparian areas, grassland, wetlands, water, and cropland and nests in vertical banks and cliffs with fine-textured or sandy soils near streams, rivers, ponds, and lakes.	**Unlikely to occur**. Two CNDDB occurrence documented approximately 13 miles east of the project (CDFW 2021). There is marginal habitat for this species within and adjacent to the project site. This species was not observed by AECOM Biologists during field surveys.
Mammals				
American badger *Taxidea taxus*	–	–/SSC	Most abundant in the drier open stages of most shrub, forest, and herbaceous habitats with friable soils; generally associated with treeless regions, prairies, parklands, and desert areas. Needs open, uncultivated land.	**Potential to occur**. Ruderal and grassland areas in the project site represent suitable habitat; however, land disturbance from seasonal flooding for rice production may preclude establishment of burrows or den. No large dens were found, but badger sign in the form of claw marks and half-dug holes (likely from foraging for prey) were found in the grasslands in the northwestern portion of the project site during the field survey. CNDDB did not identify any occurrences within 10 miles of the project site (CDFW 2021).
Pallid bat *Antrozous pallidus*	–	–/SSC	Grasslands, shrublands, oak woodlands, forests; most common in open, dry habitats; individuals roost in rock crevices, cliffs, caves, mines, and hollows of oaks and redwoods, and under sloughing bark, and human structures (e.g., bridges, buildings).	**Low potential to occur.** There is marginally suitable roost habitat (sloughing bark) present onsite. CNDDB identified one occurrence of this species within 10 miles of the project site (CDFW 2021).
Western red bat *Lasiurus blossevillii*	–	–/SSC	Solitary foliage-roosting bat associated with riparian habitat (particularly willows, cottonwoods, sycamore, and eucalyptus), but individuals also use orchards, agricultural, and sometimes urban environments.	**Low potential to occur.** Marginally suitable roost trees are present on the project site in the form of young almond orchards and patchy willow and cottonwood canopy. CNDDB did not identify any occurrences of this species within 10 miles of the project site (CDFW 2021).

Notes: CDFW = California Department of Fish and Wildlife; CNDDB = California Natural Diversity Database; Delta = Sacramento–San Joaquin Delta; DPS = Distinct Population Segment; ppt = parts per thousand; SMUD = Sacramento Municipal Utility District

[1] Legal Status Definitions:

Species	Regulatory Status[1]		Habitat	Potential for Occurrence[2]
	Federal	State/ CDFW/ PCCP		

Federal:
E Endangered (legally protected)
T Threatened (legally protected)
D Delisted (no Endangered Species Act protection)
PT Proposed as threatened
R Under review
– No status

State:
E Endangered (legally protected)
T Threatened (legally protected)
CE Candidate endangered

CDFW:
FP Fully protected (legally protected)
SSC Species of special concern (no formal protection other than CEQA consideration)
WL Watch listed
– No status

[2] **Potential for Occurrence:**

No Potential to Occur: The project site is outside the species' range or suitable habitat for the species is absent from the project site and adjacent areas.

Unlikely to Occur: No occurrences of the species have been recorded within or immediately adjacent to the project site, and either habitat for the species is marginal or potentially suitable habitat may occur, but the species' current known range is restricted to areas far from the project site.

Low Potential to Occur: The species was identified during literature review as potentially occurring near the project site and habitat for the species is marginal or potentially suitable habitat may occur, but there are no records of species occurrence within the project site or its vicinity.

Potential to Occur: The project site is within the species' range, and no occurrences of the species have been recorded within the project site; however, suitable habitat for the species is present and recorded occurrences of the species are generally present in the vicinity.

Known to Occur: The project site is within the species' range, suitable habitat for the species is present, and the species has been recorded from within the project site.

Sources: CDFW 2021; USFWS 2022; data compiled by AECOM in 2021.

Table BR-2. SMUD Country Acres Solar Project Consistency with PCCP Requirements

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
General Conditions	
General Condition 1, Watershed Hydrology and Water Quality All Covered Activities shall comply with the State of California General Construction Permit—including requirements to develop a project-based Storm Water Pollution Prevention Plan (SWPPP)—and applicable NPDES program requirements as implemented by the County and the City of Lincoln. • State Water Board Construction General Permit • West Placer Storm Water Quality Design Manual • HCP/NCCP Watershed Hydrology and Water Quality BMPs	SMUD will develop a project-based SWPPP and will comply with the California General Construction Permit and applicable NPDES program requirements as implemented by the County. SMUD will also follow any applicable CUP requirements related to hydrology and water quality.
General Condition 2, Conservation Lands: Development Interface Design Requirements Covered Activities that occur in or adjacent to the Reserve System, or adjacent to existing reserves, mitigation sites, and conservation banks, will incorporate design requirements to minimize the indirect effects of development on these types of conservation lands in the permit area. • Conservation Lands: Development Interface Design Requirements	The project has been designed to avoid and minimize direct and indirect effects, such as stormwater runoff. All necessary BMPs will be implemented and conditions of the CUP applied, and the entire project area will be fenced.
General Condition 3, Land Conversion Covered Activities that would result in permanent conversion of natural land cover must pay fees or otherwise contribute to establishing the Reserve System and are subject to the maximum extent of take proposed under the Plan. Covered Activities will be assessed fees based on the parameters described in Chapter 9, Costs and Funding, and summarized in Table 9-6. In the Valley the fees will be applied when projects affect natural, semi-natural, and other agricultural communities. These communities include the following land-cover types: a Grassland b. Vernal Pool Complex c. Aquatic/Wetland Complex d. Riverine/Riparian Complex	SMUD intends to pay fees or otherwise contribute to an established mitigation bank for impacts to natural land cover as well as agriculture. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design. The following mitigation measure has been included in the DEIR to address impacts to agriculture: **Mitigation Measure 3.2-1. Preserve Important Farmland** SMUD shall implement one of the following methods to minimize the loss Farmland of Statewide Importance and Unique Farmland at a 1:1 ratio (i.e., 1 acre on which easements are acquired to 1 acre of Farmland of Statewide Importance and Unique Farmland removed from agricultural use): • Acquire agricultural conservation easement(s) that provide in-kind or similar resource value protection in the region, with a strong preference for locating the agricultural conservation easement(s) in Placer County. This can be achieved by the acquisition of conservation easements, farmland deed restriction, or other appropriate farmland conservation mechanism to ensure the preservation of the land in perpetuity.

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
e. Oak Woodland f. Valley Oak Woodland g. Rice Agriculture h. Field Agriculture i. Orchard and Vineyard Agriculture j. Rural Residential In the Valley, the land conversion fee will not apply to ground disturbance in urban (non-natural) communities except if a special habitat fee applies. Special habitat fees for restoration and enhancement will apply to any ground disturbance to a constituent habitat regardless of community type (see Chapter 3, Physical and Biological Setting, Table 3-6 for a list of constituent habitats). In urban (non-natural) communities, the land conversion fee would apply to the same area of ground disturbance as the special habitat fee.	• Pay in-lieu fees to an established, agreed-upon (by County and SMUD) mitigation program with a presence in Placer County (e.g., Placer Land Trust) to fully fund the acquisition and maintenance of agricultural land or easements. • Alternatively, this may occur through the payment of fees into the PCCP's in-lieu fee program under a Memorandum of Understanding (MOU) with the PCA prior to issuance of improvement plans. (In-lieu fee payments would also address impacts on special-status species through loss for foraging habitat for burrowing owl and Swainson's hawk, and impacts on sensitive natural communities and wetlands and other waters of the US and state/County, as detailed in Mitigation Measures 3.4-8., 3.4-10 and 3.4-16 in Section 3.4 "Biological Resources" of this EIR). Payments of in-lieu fees or acquisition of agricultural conservation easements may be spread out in alignment with construction phasing but must occur no later than the start of each new phase. The impact acreage requiring offset shall be based on the most current FMMP at the time of the County's issuance of the Conditional Use Permit.
General Condition 4, Temporary Effects Covered Activities that result in temporary effects [1 year] on natural land cover must pay fees and are subject to the maximum extent of take proposed under the Plan.	SMUD intends to pay fees or otherwise contribute to an established mitigation bank for temporary impacts to natural land cover. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design.
General Condition 5, Conduct Worker Training If project-specific conditions for avoidance or minimization apply during construction, all project construction personnel will participate in a worker environmental training program that will educate workers regarding the Covered Species and their habitats, the need to avoid impacts, state and federal protection, and the legal implications of violating environmental laws and regulations.	The following mitigation measure from the DEIR addresses worker training: **Mitigation Measure 3.4-1. Worker Environmental Awareness Program (WEAP) and Biological Monitor Inspection** SMUD will prepare a Worker Environmental Awareness Program that will educate staff regarding the presence or potential presence of all special-status species, sensitive natural communities, and protected wetlands with potential to occur, or that are known to occur, within the project area. The program shall describe their identification, habitat requirements, and penalties for species impacts, as well as immediate steps to take should special-status species be observed by staff on site. This WEAP shall include biological resource avoidance and minimization measures/mitigation measures from the project's CEQA Mitigation Monitoring and Reporting Program, and any resource permits or agreements, as applicable. The WEAP will educate workers regarding sensitive species and their habitats, the need to avoid impacts, state and federal protection, and the legal implications of violating environmental laws and regulations. The WEAP can be provided in the form of a handout and/or video presentation. All staff working onsite shall

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
	attend the WEAP training prior to commencing onsite work. Staff that attend the training shall fill out a sign-in sheet indicating that they completed the training. Prior to construction, a qualified biological monitor shall inspect all areas within the project site with the potential to support sensitive biological resources to ensure the proper implementation of all avoidance and minimization and mitigation measures, agency permit requirements, and environmentally sensitive area exclusion flagging and/or fencing have been properly implemented, and to deliver WEAP training as needed. The biological monitor shall remain available on an on-call basis for the duration of project construction to conduct inspections and follow up surveys, as needed, and to ensure compliance with permit conditions. The qualified biological monitor shall have the experience, education and training necessary to conduct special-status species surveys and monitoring as described in the mitigation measures below. During operation and maintenance, an annual Environmental Awareness Training shall be provided to onsite personnel, covering any sensitive biological resources that could be present onsite.
Conditions to Avoid and Minimize Effects on Specific Natural Communities	
Community Condition 1, Wetland Avoidance and Minimization (Vernal Pool and Aquatic/Wetland Complex) Vernal pool constituent habitat includes vernal pool wetlands, seasonal wetland in vernal pool complex, and seasonal swales. Aquatic/wetland constituent habitat (also called other wetlands in this condition) encompasses fresh emergent marsh, non-vernal pool seasonal wetland, and lacustrine and includes all Waters of Placer County where avoidance buffers are not otherwise applied.	The project has been designed to avoid wetlands including vernal pools, seasonal wetlands in vernal pool complex, seasonal swales, fresh emergent marsh, non-vernal pool seasonal wetlands, and lacustrine. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design. Mitigation Measures from the DEIR include the following: **Mitigation Measure 3.4-2. Establish Non-Disturbance Buffers around Vernal Pools and Seasonal Wetlands to protect Western Spadefoot during construction** Based on the assumptions that all vernal pools and seasonal wetlands in the project areas could provide suitable habitat for western spadefoot, SMUD, in coordination with a qualified biologist, will establish a 250-foot no-disturbance buffer from the high-water mark of the vernal pool or seasonal wetland habitat prior to commencement of ground-disturbing activities. The perimeter of the no-disturbance buffer will be delineated with a wildlife-friendly fence that allows the movement of wildlife, including western spadefoot (and also wide-ranging wildlife, such as coyotes), through the area. The fence will be maintained for the duration of project construction and operation. Signage will be installed on the fence indicating the buffer is an environmentally sensitive area. The boundaries of vernal pools, seasonal wetlands and associated 250-foot buffers will also be clearly delineated on project plans and specifications boundaries. No construction or ground-disturbing activities shall occur within the 250-foot buffer.

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
	The fencing shall be kept in place for the duration of project construction and operations and shall be kept in good condition to prevent any construction, operation and maintenance activities from disturbing the sensitive habitat areas. **Mitigation Measure 3.4-12. Avoid Impacts on Vernal Pool Fairy Shrimp and Vernal Pool Tadpole Shrimp During Construction** Vernal pools and seasonal wetlands in the project area provide potentially suitable habitat for vernal pool fairy shrimp and tadpole shrimp. A 250-foot no-disturbance buffer area will be established from the high-water mark of the vernal pool or wetland habitat prior to construction and will be delineated by fencing as described in Mitigation Measure 3.4-2 and confirmed by a qualified biologist. The boundaries of vernal pools, seasonal wetlands and associated 250-foot buffers will also be clearly delineated on project plans and specifications boundaries. No construction or ground-disturbing activities shall occur within the 250-foot buffer. All construction activities are prohibited within this buffer area. With complete avoidance of ground-disturbing activities within vernal pools and seasonal wetlands and a 250-foot buffer beyond the boundaries of these aquatic features, no direct or indirect impacts will occur to vernal pool fairy shrimp or tadpole shrimp and no further avoidance or minimization measures are required. Information about avoidance and minimization measures for vernal pool fairy shrimp and vernal pool tadpole shrimp shall be included in the WEAP described above in Mitigation Measure 3.4-1. **Mitigation Measure 3.4-16. Avoid, Minimize and Compensate for Impacts on Sensitive Natural Communities and Comply with Federal, State and Local Permits** Prior to project implementation, SMUD shall refine potential impacts on sensitive natural communities based on advanced designs and obtain the necessary permits for impacts on any sensitive natural communities. These include the following permits: • Section 1600 Streambed Alteration Agreement from CDFW (for impact on riparian area and other sensitive natural communities not considered Waters of the U.S. (WUS) or State) • CWA Section 404 permit from USACE for impacts to WUS • CWA Section 401 Clean Water Certification from the Regional Water Quality Control Board for impacts to WUS • Waste Discharge Permit from Regional Water Quality Control board for impacts to water of the state • Floodplain encroachment permit from the County, if necessary based on advanced designs

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
	• As part of the permit applications, SMUD shall develop a habitat mitigation plan that will include mitigation for impacted sensitive natural communities on a no-net-loss basis. The plan may include onsite restoration, if feasible, offsite preservation, or purchasing mitigation credits from an agency-approved wetlands mitigation bank, paying an agency-approved in-lieu fee, and/or developing conservation lands to compensate for permanent loss of resources. Mitigation ratios shall be no less than 1:1 and shall be determined during the permitting process. This may also occur through the payment of fees into the PCCP's in-lieu fee program under a Memorandum of Understanding (MOU) with the PCA prior to issuance of improvement plans. In-lieu fee payments would address impacts to special-status species, sensitive natural communities, wetlands and other waters of the US and state/County, and impacts to agricultural lands resulting from the conversion of important farmland (see Mitigation Measure 3.2-1 in Section 3.2 "Agricultural Resources" of this Draft EIR). Payments may be spread out in alignment with construction phasing and will occur prior to the start of each new phase. • SMUD shall implement all conditions of the permits, including any performance monitoring, if required for onsite restoration and report on the results of the monitoring to the appropriate agencies at the frequency and duration included in the permits. • Sensitive natural communities shall be included in the WEAP described above in Mitigation Measure 3.4-1. **Mitigation Measure 3.4-17. Avoid impacts to jurisdictional features and sensitive natural communities by use of horizontal directional drilling.** The following avoidance and minimization measures shall be implemented to protect listed and other special-status plants and animals, and to avoid impacts to wetlands and riparian zones: • Boring activities and set-up activities for boring operations shall be situated outside of wetlands and riparian areas. An earthen or sandbag berm shall be installed around all drilling fluid mixing and pumping areas to contain any inadvertently spilled material. Sediment control devices shall be installed between the drilling staging areas and any waterways. This includes any culverts or drainage ditches that lead to a waterway. • HDD operations at the creek crossings and/or jurisdictional features shall be limited to daylight hours because of the difficulty in identifying the loss of bentonite or machine pressure without daylight. This shall be defined by the termination of drilling 30 minutes before dusk, and resumption of drilling at dawn. The contractor will make every effort to schedule drilling activities to be completed between dawn and 30 minutes to dusk. Should the drilling activities be within one hour of completion, 30 minutes before dusk, drilling

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	activities may be allowed to continue until completion if the Project environmental monitor and/or the CDFW or its agents determine that completing the drilling activities will result in less risk to the stream. • Visual inspection along the bore alignment for frac-outs shall take place at all times while the drill is in operation. The monitor shall be in radio contact with the boring machine operator at all times. A biologist/monitor's presence shall be required during all boring activities (i.e. boring, back reaming, etc.) within CDFW jurisdiction unless the drainage is dry. • The HDD Operator shall design, pre-plan, and direct the HDD operation in such a way as to minimize the risk of spills of all types. The HDD Operator shall prepare and implement a Frac-Out Contingency Plan and submit it to SMUD and CDFW for review and approval 30 days prior to construction, which includes the boring plans and frac-out and clean-up plans, in the event of the accidental release of drilling lubricants through fractures in the streambed or bank ("frac-outs"). In substrates where frac-outs are likely to occur, the HDD Operator shall operate in a manner that will reduce risk, such as using lower pressure and greater boring depths. The Contingency Plan shall be kept on site at all times. • A non-toxic fluorescent water-soluble dye shall be added to the drilling muds to allow for frac-outs to be seen in muddy waters. The dye shall be used in a concentration which allows the monitors to easily determine the source of the frac-out, and shall be a type of dye approved for use by the local Regional Water Quality Control Board. • All equipment required to contain and clean up a frac-out release shall be available at the work site. • Boring plans should include: o A sketch of the construction site, including equipment staging areas, approximate location of drill entry and exit points and the approximate location of access roads in relation to the surrounding area, o Proposed depth of bore and statement of streambed or wetland condition (subsurface strata and percent of gravel and cobble) that support the depth of the bore, o Approximate length of bores (50-foot increments), o Type and size of boring equipment to be used (categorized as mini, mid or maxi), o Estimated time to complete bore, o List of lubricants and HDD additives to be used including Material Safety Data Sheets (MSDS), and

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	○ Name of Operator's agents and cell phone numbers. • Frac-out prevention and clean-up plans should include: ○ Name(s) and phone numbers of biological monitor(s) and crew supervisor(s), ○ Site specific resources of concern (if applicable, include factors such as possible presence of sensitive species), ○ Monitoring protocols (include biological monitoring and frac-out monitoring), and ○ Containment and clean-up plan (include staging location of vacuum trucks and equipment, equipment list, necessary hose lengths, special measures needed for steep topography, etc. at each location). • If a frac-out or spill occurs in a sensitive resource, the Operator shall immediately notify the SMUD Environmental Monitor. • If a frac-out occurs, the SMUD Environmental Monitor, shall determine whether clean-up actions are warranted. If containment and clean-up is needed to prevent additional impacts, the Contractor shall begin the following containment and clean up measures immediately. Where water flows allow, the Contractor shall immediately construct a sandbag well around the frac-out or place a standing pipe (such as a 55-gallon drum with the top and bottom removed, heavy PVC pipe or CMP or culvert type material) around the frac-out to contain the drilling mud. A trailer-mounted vacuum or vacuum truck shall be deployed to vacuum out spilled drilling fluids that continue to leak. Removed drilling fluids shall not be placed where they are likely to re-enter the stream. All cleanup and containment efforts shall adhere to the Frac-out Contingency Plan approved by the SMUD for spill response.
Community Condition 1.1, Avoidance of Vernal Pool Complex Constituent Habitat Covered Activities are required to mitigate for impacts, generally through payment of fees if project activities encroach on a vernal pool constituent habitat wetland or its immediate watershed. Impact evaluation will consider whether ground disturbance from a Covered Activity encroaches on (1) the Delineated Wetland or (2) the Immediate Watershed of a vernal pool constituent habitat feature.	SMUD has conducted a wetland delineation and the project has been designed to avoid wetlands with appropriate buffers, to the extent feasible. Any impacts to wetlands will be mitigated per agency requirements, which may include paying fees or contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-2, 3.4-12, 3.4-16, and 3.4-17 of the DEIR.
Community Condition 1.2, Avoidance of Aquatic/Wetland Complex Constituent Habitat	SMUD has conducted a wetland delineation and the project has been designed to avoid wetlands with appropriate buffers, to the extent feasible. Any impacts to wetlands will be mitigated per agency requirements, which may include paying fees or contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation

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Covered Activities are required to mitigate for impacts, generally through payment of fees if project activities encroach on a non-vernal pool wetland (other wetlands) or its buffer.	Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-2, 3.4-12, 3.4-16, and 3.4-17 of the DEIR.
Community Condition 1.3, Aquatic/Wetland Complex Impact Minimization Measures Covered Activities that minimize effects on the Aquatic/Wetland Complex constituent habitat may qualify to count those effects as temporary rather than permanent. If activities associated with Covered Activities are proposed to occur within other wetlands and their associated buffers, the activities must comply with Wetland Impact Minimization Criteria (below) to have project effects count as temporary instead of permanent.	SMUD has conducted a wetland delineation and the project has been designed to avoid wetlands with appropriate buffers, to the extent feasible. Any impacts to wetlands will be mitigated per agency requirements, which may include paying fees or contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-2, 3.4-12, 3.4-16, and 3.4-17 of the DEIR.
Community Condition 1.4, Salvage of Vernal Pool Constituent Habitat Covered Activities that result in the conversion of vernal pool constituent habitat must grant adequate and timely access to allow for salvage as directed by the permitting jurisdiction or PCA.	N/A - The project has been designed to avoid wetlands including vernal pools and seasonal wetlands in vernal pool complex with appropriate buffers. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-2, 3.4-12, 3.4-16, and 3.4-17 of the DEIR.
Community Condition 1.5, Wetlands Restoration Covered Activities that permanently or temporarily affect vernal pool constituent habitat and other wetlands, must contribute to restoration or creation of these resources as mitigation.	SMUD has conducted a wetland delineation and the project has been designed to avoid wetlands with appropriate buffers, to the extent feasible. Any impacts to wetlands will be mitigated per agency requirements, which may include paying fees or contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-2, 3.4-12, 3.4-16, and 3.4-17 of the DEIR.
Community Condition 2, Riverine and Riparian Avoidance and Minimization This condition, focusing specifically on the riverine and riparian constituent habitat components of the Riverine/Riparian Complex community, is supplemental to Stream System Condition 1, Stream System Avoidance and Minimization.	SMUD has conducted a wetland delineation and the project has been designed to avoid riverine, riparian, and wetlands with appropriate buffers, to the extent feasible. Any impacts to wetlands will be mitigated per agency requirements, which may include paying fees or contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-16 and 3.4-17 of the DEIR.
Community Condition 2.1, Riverine and Riparian Avoidance Covered Activities that avoid effects on the riparian constituent habitat by excluding construction or other ground disturbance from existing riparian vegetation are not subject to special habitat fees.	See response above.
Community Condition 2.2, Minimize Riverine and Riparian Effects Where riverine and riparian constituent habitat avoidance is not feasible, Covered Activities shall minimize effects on riverine and riparian constituent	SMUD has conducted a wetland delineation and the project has been designed to avoid riverine, riparian, and wetlands with appropriate buffers, to the extent feasible. Any impacts to wetlands will be mitigated per agency requirements, which may include paying fees or

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
habitat by following design, construction, and operations minimization measures.	contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-16 and 3.4-17 of the DEIR. All CUP conditions and any necessary BMPs for construction and operations will be implemented.
Community Condition 2.3, Riverine and Riparian Restoration Covered Activities that affect riverine or riparian constituent habitat must contribute to restoration as mitigation to compensate for loss of riverine or riparian constituent habitat.	See response above.
Community Condition 2.4, Placer County Water Agency Operations and Maintenance Best Management Practices Placer County Water Agency will apply Operations and Maintenance Best Management Practices in addition to any other applicable community and species conditions.	All CUP conditions and any necessary BMPs for O&M will be implemented.
Community Condition 3, Valley Oak Woodland Avoidance, Minimization, and Mitigation This Community Condition addresses issues related to valley oak woodlands.	N/A. No oak trees or oak woodland will be impacted by the project.
Community Condition 3.1, Valley Oak Woodland Avoidance Covered Activities that avoid effects on valley oak woodland wherever it occurs by excluding construction or other ground disturbance from existing valley oak woodland will not be assessed the land conversion fee.	N/A. No oak trees or oak woodland will be impacted by the project.
Community Condition 3.2, Valley Oak Woodland and Individual Valley Oak Trees Restoration Covered Activities must compensate for loss of Valley Oak Woodland natural community, and individual valley oak trees.	N/A. No oak trees or oak woodland will be impacted by the project.
Conditions to Avoid, Minimize, and Mitigate Effects on the Stream System	
Stream System Condition 1, Stream System Avoidance and Minimization Design and implement Covered Activities in such a way as to avoid and minimize adverse effects on the Stream System.	SMUD has conducted a wetland delineation and the project has been designed to avoid riverine, riparian, and wetlands with appropriate buffers, to the extent feasible. Any impacts to the stream system will be mitigated per agency requirements, which may include paying fees or contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-16 and 3.4-17 of the DEIR. Also, SMUD will implement Mitigation Measure 3.10-1 as described below.

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
	Mitigation Measure 3.10-1: Locate Construction Equipment and Material Storage Areas Outside of the 100-Year Floodplain During the Winter Rainy Season. In order to protect human life, water quality, and designated in-stream beneficial uses of waterbodies, the construction contractor shall implement the following: • The on-site construction trailer and its associated portable restrooms, fencing, power supply, and parking area, shall not be located within a 100-year floodplain. • During the winter rainy season (i.e., November 1 through April 1), construction materials and equipment shall not be stored in a 100-year floodplain. Additionally, CUP conditions and any necessary BMPs for construction and operations will be implemented.
Stream System Condition 2, Stream System Mitigation: Restoration Where Covered Activities result in the permanent or temporary impacts on the Stream System, regardless of the community or constituent habitat type affected, effects shall be mitigated by appropriate restoration or enhancement.	Any impacts to the stream system will be mitigated per agency requirements, which may include paying fees or contributing to an existing mitigation bank. Please see DEIR Table 3.4-6 Impact Acres by Vegetation Community/Habitat Type Based on 10% Design and Mitigation Measures 3.4-16 and 3.4-17 of the DEIR.
Regional Public Programs	
Regional Public Projects Condition 1, Transportation and Other Infrastructure Projects Design Requirements Implement design requirements for applicable public transportation projects located in the RAA to reduce the effects of barriers in potential conservation lands and minimize effects on Covered Species, natural communities, and wildlife movement.	N/A.
Regional Public Projects Condition 2, Transportation and Other Infrastructure Projects Construction BMPs Implement construction BMPs for applicable transportation or other infrastructure projects located in the rural portion of the Plan Area where appropriate and feasible to reduce the effects of construction on natural communities and native species.	N/A. However, SMUD will implement a SWPPP and all necessary BMPs required for the project including CUP requirements.
Regional Public Projects Condition 3, Operation and Maintenance BMPs O&M BMPs for applicable transportation or other infrastructure projects in the rural portion of the Plan Area will be implemented where appropriate and feasible to reduce the effects of construction on natural communities and native species.	N/A. However, SMUD will implement all necessary O&M BMPs required for the project including CUP requirements.

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
Conditions to Minimize Effects on Covered Species	
Surveys for Select Covered Wildlife Species The timing of species habitat surveys, pre-construction surveys, and construction monitoring relative to impacts are described below. For projects that occur over multiple years, including projects that are phased, the frequency and timing of required surveys will be determined by the Permittee reviewing the application in consultation with the Wildlife Agencies. At a minimum, surveys and monitoring (if required) will be conducted prior to each construction phase if the entire project area is not continuously disturbed between phases. Surveys will be conducted by qualified biologists, as defined in Section 6.1.5, Qualified Biologist/Qualified Professional. If survey results indicate that a Covered Species that is subject to a Species Condition is present, then applicable avoidance and minimization measures and construction monitoring, as specified in the corresponding Species Condition, must be implemented. Surveys are required when certain land-cover types and other conditions are present on a project site. See Species Conditions and Table 6-3 for a description of the locations and land-cover types that trigger species surveys.	SMUD has conducted surveys for sensitive species habitat and will conduct additional surveys for specific species including western pond turtle, giant garter snake, California black rail, western burrowing owl, Swainson's hawk, tricolored blackbird, American badger, and nesting birds and raptors. Buffers will also be established around sensitive species habitat prior to the start of construction.
Survey Documentation If applicable community types, constituent habitat, or habitat features are present on site, the applicant must describe in the HCP/NCCP participation package which surveys were conducted, detail the results of those surveys, and provide a map that displays where the surveys were conducted and where Covered Species, if any, were detected. As described in Section 6.2.4, HCP/NCCP Participation Package, the HCP/NCCP participation package will be prepared and approved before project construction. To ensure compliance with pre-construction survey requirements, the Permittee will determine which surveys are required, when they will be performed, and how they will be applied to the project (Item 8 of the HCP/NCCP participation package). This description will follow the requirements in the Species Conditions and will be incorporated into the conditions of project approval. The survey report submitted to the local jurisdiction and PCA will also document the condition of all occurrences found on the project. Reports will include CNDDB California Native Species Field Survey Form; copies of these	A Draft Biological Resources Report has been prepared and a Biological Assessment is in the process of being prepared. Also, an Aquatic Resources Delineation Report was prepared based on the wetland delineation conducted in the field in 2021. Additional survey reports will be prepared for any additional surveys.

PCCP Requirements for Covered Activities	Country Acres Solar Project Consistency
forms will also be submitted to the CNDDB and the Wildlife Agencies as part of the Annual Report.	
Construction Monitoring for Certain Covered Wildlife Occupied breeding habitat (or for giant garter snake, suitable aquatic habitat) will trigger the species surveys described in Table 6-3 and Species Conditions. Construction monitoring will be carried out by a qualified biologist to ensure that these avoidance and minimization requirements are being implemented properly and that they are adequately protecting the target species. Because the selected wildlife species are rare in the Plan Area, it is expected that few projects will require construction monitoring. If required, the construction monitoring frequency and protocols are described for the appropriate species in the Species Conditions.	Mitigation Measures 3.4-1 includes biological monitoring and other mitigation measures have been included in the DEIR for species specific biological monitoring where necessary.
Exemptions from Species Surveys, Pre-construction Surveys, and Construction Monitoring	N/A
Exemptions from Setbacks from PCA Reserves	N/A
Species Condition 1, Swainson's Hawk Conditions for the Swainson's hawk are based on avoidance, minimization, and mitigation guidelines from the *Draft Staff Report: Recommended Mitigation Strategies for the Swainson's Hawk (Buteo swainsoni) within the California Breeding Range* (California Department of Fish and Game 1994) and measures developed to avoid and minimize effects on Swainson's hawks by activities covered by the East Contra Costa County HCP/NCCP (2006).	The following mitigation measures from the DEIR address Swainson's hawk: **Mitigation Measure 3.4-9. Conduct Pre-Construction Surveys for Swainson's Hawk and Implement Protective Buffers.** **Preconstruction Surveys.** A qualified biologist will conduct preconstruction surveys for Swainson's hawks during the nesting season (March 1 through August 21) within the project footprint and of all suitable nesting habitat within line of sight of construction activities within a 0.25-mile radius of the project footprint. The surveys will be conducted no more than 15 days prior to ground disturbance and will be conducted using methods consistent with guidelines provided in Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in the Central Valley (SHTAC 2000)with the following exceptions:. • Surveys will be required within a 0.25 miles (1,320-foot) radius around the project site. In instances where an adjacent parcel is not accessible to survey because the qualified biologist was not granted permission to enter, the qualified biologist will scan all potential nest tree(s) from the adjacent property, road sides, or other safe, publicly accessible viewpoints, without trespassing, using binoculars and/or a spotting scope to look for Swainson's hawk nesting activity; • Surveys will be required from February 1 to September 15 (or sooner if it is found that birds are nesting earlier in the year); and

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	• If a Swainson's hawk nest is located and presence confirmed, only one follow-up visit is required (to avoid disturbance of the nest due to repeated visits). **Nest Buffers.** If active Swainson's hawk nests are found, appropriate buffers shall be established around active nest sites, in coordination with CDFW, to provide adequate protection for nesting raptors and their young. No project activity shall commence during the nesting season within the buffer areas until the qualified biologist has determined that the young have fledged, the nest is no longer active, or reducing the buffer would not result in nest abandonment. **Nest Monitoring.** Monitoring of the nest by a qualified biologist during construction activities may be required if the qualified biologist determines that the activity has potential to adversely affect the nest. If construction activities cause the nesting bird to vocalize, make defensive flights at intruders, get up from a brooding position, or fly off the nest, then the no-disturbance buffer shall be increased until the agitated behavior ceases. The exclusionary buffer will remain in place until the qualified biologist has confirmed that the chicks have fledged. Information about avoidance and minimization measures for Swainson's hawk shall be included in the WEAP described above in Mitigation Measure 3.4-1. **Mitigation Measure 3.4-10. Compensate for the Loss of Swainson's Hawk Foraging Habitat** To offset net impacts on foraging habitat for breeding Swainson's hawks SMUD will mitigate the loss of Swainson's hawk foraging habitat in accordance with CDFW recommendations (DFG 1994) by providing mitigation lands or securing Swainson's hawk mitigation bank credits as follows: • Foraging habitat permanently lost within 5 miles of an active Swainson's hawk nest tree but more than 1 mile from the nest tree will be replaced with 0.75 acre of mitigation land for each acre of foraging habitat permanently lost because of project construction (0.75:1 ratio). Foraging habitat for nests that are within 1 mile of the project site will be mitigated at a 1:1 ratio. All mitigation lands protected under this requirement shall be protected in a form acceptable to CDFW (e.g., through fee title acquisition or conservation easement) on agricultural lands or other suitable habitats that provide foraging habitat for Swainson's hawk. This may occur through the payment of fees into the PCCP's in-lieu fee program under a Memorandum of Understanding (MOU) with the PCA prior to issuance of improvement plans. In-lieu fee payments would address impacts to special-status species, sensitive natural communities, wetlands and other waters of the US and state/County, and impacts to agricultural lands resulting from the conversion of important farmland (see Mitigation Measure 3.2-1 in Section 3.2 "Agricultural Resources" of this Draft EIR). Payments may be spread out in alignment with construction phasing and will occur prior to

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	the start of each new phase. Management authorization holders/project sponsors will provide for management of the mitigation lands in perpetuity by funding a management endowment.
Survey Requirements Surveys for Swainson's hawk nests are required on the following communities in the Valley, within 0.25 mile (1,320 feet) of the project site: • Valley oak woodland • Grassland (if trees are present) • Riparian • Semi-natural (if trees are present) • Other agricultural (if trees are present) • Rural residential (if trees are present) • Urban (if trees are present) In addition, a CNDDB record search is required to determine whether any active nests are present within 1,320 feet of the project site. A nest is assumed active if it has been used within the previous 5 years. **Swainson's Hawk 1.** Swainson's hawk surveys and CNDDB record searches are required well in advance of project construction to determine whether Swainson's hawk is nesting on or within 1,320 feet of the project site. If the project cannot be designed to avoid active Swainson's hawk nest trees and the construction must occur during the nesting season (approximately February 1 to September 15), a preconstruction survey must be conducted no more than 15 days prior to ground disturbance. Surveys will be conducted consistent with current guidelines (Swainson's Hawk Technical Advisory Committee 2000), with the following exceptions: • Surveys will be required within a 1,320-foot radius around the project site. In instances where an adjacent parcel is not accessible to survey because the qualified biologist was not granted permission to enter, the qualified biologist will scan all potential nest tree(s) from the adjacent property, road sides, or other safe, publicly accessible viewpoints, without trespassing, using binoculars and/or a spotting scope to look for Swainson's hawk nesting activity;	Swainson's hawk surveys will be conducted in 2022 and prior to construction. See Mitigation Measures 3.4-9 and 3.4-10 above.

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• Surveys will be required from February 1 to September 15 (or sooner if it is found that birds are nesting earlier in the year); and • If a Swainson's hawk nest is located and presence confirmed, only one follow-up visit is required (to avoid disturbance of the nest due to repeated visits).	
Applicable Measures If surveys determine that a Swainson's hawk nest is occupied, the project must adopt the minimization measure listed below: **Swainson's Hawk 2.** During the nesting season (approximately February 1 to September 15 or sooner if it is found that birds are nesting earlier in the year), ground-disturbing activities within 1,320 feet of occupied nests or nests under construction will be prohibited to minimize the potential for nest abandonment. While the nest is occupied, activities outside the buffer can take place provided that they do not stress the breeding pair. If the active nest site is shielded from view and noise from the project site by other development, topography, or other features, the project applicant can apply to the PCA for a reduction in the buffer distance or waiver of this avoidance measure. A qualified biologist would be required to monitor the nest and determine that the reduced buffer does not cause nest abandonment. If a qualified biologist determines nestlings have fledged, Covered Activities can proceed normally. **Swainson's Hawk 3.** Active (within the last 5 years) nest trees on a project site will not be removed during the nesting season. If a nest tree must be removed (as determined by the PCA), tree removal shall occur only between September 15 and February 1, after any young have fledged and are no longer dependent on the nest and before breeding activity begins.	See Mitigation Measures 3.4-9 and 3.4-10 above.
Construction Monitoring **Swainson's Hawk 4.** Construction monitoring will be conducted by a qualified biologist and will focus on ensuring that activities do not occur within the buffer zone. The qualified biologist performing the construction monitoring will ensure that effects on Swainson's hawks are minimized. If monitoring indicates that construction outside of the buffer is affecting nesting, the buffer will be increased if space allows (e.g., move staging areas farther away). If	See Mitigation Measures 3.4-9 and 3.4-10 above.

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space does not allow, construction will cease until the young have fledged from the nest (as confirmed by a qualified biologist). The frequency of monitoring will be approved by the PCA and based on the frequency and intensity of construction activities and the likelihood of disturbance of the active nest. In most cases, monitoring will occur at least every other day, but in some cases, daily monitoring may be appropriate to ensure that direct effects on Swainson's hawks are minimized. The qualified biologist will train construction personnel on the avoidance procedures and buffer zones.	
Species Condition 2, California Black Rail	
Survey Requirements Take of black rail occurrences are limited by the Plan (see Section 5.3.1.6.2, California Black Rail). Therefore, surveys are critical for determining whether the wetland that may be affected is occupied, and for tracking take of California black rail. As such, surveys are required to determine the presence/absence of California black rails, if a Covered Activity is within 500 feet of the perimeter of a fresh emergent wetland greater than 0.2 acre in size. **California Black Rail 1.** Surveys will be initiated sometime between March 15 and May 31, preferably before May 15. A minimum of four surveys will be conducted. The survey dates will be spaced at least 10 days apart and will cover the time period from the date of the first survey through the end of June to early July. This will allow the surveys to encompass the time period when the highest frequency of calls is likely to occur. Projects must conduct surveys during this time period, regardless of when the project is scheduled to begin, and shall be conducted the year in which ground disturbance activities commence. This survey requirement also applies to Covered Activities that will alter the supply of water feeding potential breeding habitat for California black rails (e.g., fixing a leak in an irrigation canal). Some wetlands supported by leaks from water conveyance structures such as irrigation canals may also be supported hydrologically by other sources of water. Fixing a leak in an irrigation canal may therefore not substantially alter the extent and/or quality of the wetland habitat for California black rail. In such cases, the project proponent may provide the results of a hydrological study of the affected wetland to the PCA and Wildlife Agencies to determine whether altering the	The following mitigation measure from the DEIR addresses California black rail: **Mitigation Measure 3.4-6. Survey for California Black Rails and Implement Avoidance Measures** • Preconstruction Call-Playback Surveys for California Black Rail. A qualified biologist will conduct a preconstruction survey in potentially suitable habitat for this species in the project footprint and a 500-foot buffer to the project footprint. Surveys will be initiated sometime between March 15 and May 31, preferably before May 15. A minimum of four surveys will be conducted. The survey dates will be spaced at least 10 days apart and will cover the time period from the date of the first survey through the end of June to early July. This will allow the surveys to encompass the time period when the highest frequency of calls is likely to occur. Projects must conduct surveys during this time period, regardless of when the project is scheduled to begin, and shall be conducted the year in which ground disturbance activities commence. Surveys will follow a standardized tape call-playback/response protocol similar to that of Evens et al. 1991 and Richmond et al. 2008 or other CDFW-approved method. The surveys will document the presence or absence of black rail. CDFW will be notified within 2 business days of any identified black rail detections. • If California black rails are detected during preconstruction surveys, the following additional measures will be implemented in association with occupied California black rail habitats: • SMUD will establish and maintain a non-disturbance buffer of up to 500 feet around all identified occupied wetland habitat, depending on site-specific conditions and at the discretion of a qualified biologist in consultation with CDFW. Where feasible, all construction-related activities will be excluded from the buffer for the duration of project implementation. • Where maintaining the non-disturbance buffer for the duration of the project is not feasible, at minimum, all construction-related activities will be excluded from the buffer for the

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source of water would result in take of a wetland occupied by California black rail. Surveys must be conducted using survey protocol based on the methods used in Richmond et al. (2008) or guidance agreed upon by the Permittees and Wildlife Agencies. Surveys will be conducted if a fresh emergent wetland greater than 0.2 acre in size occurs on an adjacent parcel that is within 500 feet of the project site (as determined by aerial photographs), using survey methods that rely on call playback to elicit response from California black rails (e.g., those used by Richmond et al. 2008). Calls will be played from edge of the adjacent parcel, or where most appropriate to elicit a response, without trespassing. If a California black rail is determined to be present, no project activities are permitted within 500 feet of the outside perimeter of the occupied wetland. Project proponents may conduct activities within 500 feet of an occupied wetland based on site-specific conditions (e.g., noise barriers) and if approved by the PCA and the Wildlife Agencies and an qualified biologist monitors construction activities within 500 feet to ensure that California black rail nests are not disturbed.	duration of the breeding season (March through September, or for lesser duration as approved by CDFW). • If project activities are necessary within the established non-disturbance buffer or within occupied habitat, including potential alterations to hydrological conditions that support black rail habitat, SMUD will consult with CDFW to identify a strategy that will avoid take of the year-round resident California black rail. This may or may not include work windows outside the breeding season, installation of wildlife exclusion fencing, and/or methods for passive exclusion of individuals out of the temporary and permanent impact area such as through the hand removal of vegetation before other project-related ground disturbances, as determined in consultation with CDFW. A qualified biologist will be present for any construction activities occurring within the non-disturbance buffer; the intensity and frequency of the monitoring will be established in consultation with CDFW. • Information about avoidance and minimization measures for California black rails shall be included in the WEAP described above in Mitigation Measure 3.4-1.
Applicable Measures Projects in occupied wetlands will not be permitted unless approval is granted by the PCA. When granting approval, the PCA will consider if take is available under the Plan. **California Black Rail 2.** If the PCA does not grant take coverage, a buffer around the avoided wetland will be demarcated 500 feet from the outside perimeter of the occupied wetland with an exclusion fence to prevent construction activities from encroaching into the buffer zone and to identify the occupied wetland and buffer zone as a no-work area within the covered project. If the work would dewater occupied habitat and the PCA does not grant coverage, the activity could not take place under the Plan. **California Black Rail 3.** If the PCA grants take coverage, clearing of the habitat (or dewatering) will occur between September 15 and February 1 (outside the breeding season). For ground disturbing activities, if the project will not convert all of the wetland habitat present, a buffer around the avoided wetland will be demarcated with exclusion fencing to prevent construction	See Mitigation Measure 3.4-6 above.

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activities from encroaching into California black rail habitat and to identify the occupied wetland and buffer zone as a no-work area.	
Construction Monitoring **California Black Rail 4.** A qualified biologist will monitor on-site during construction to ensure that no Covered Activities occur within the buffer zone established around the occupied wetland, or if take allowance is granted outside of the breeding season, to ensure that adverse effects are minimized. The frequency of monitoring will be approved by the PCA based on the frequency and intensity of construction activities and the likelihood of disturbance of the active nest. In most cases, monitoring will occur at least every other day, but in some cases daily monitoring may be appropriate to ensure that direct effects on California black rail are minimized. The qualified biologist may increase the buffer size if s/he determines that activities are particularly disruptive (e.g., use of dynamite, or other explosives). Prior to the start of construction, the qualified biologist will train construction personnel on the avoidance procedures and buffer zones.	See Mitigation Measure 3.4-6 above.
Species Condition 3, Western Burrowing Owl The following measures will be implemented to avoid or minimize effects of Covered Activities on western burrowing owls. This condition is based on the *Staff Report on Burrowing Owl Mitigation* (California Department of Fish and Game 2012) and measures to avoid and minimize effects in the East Contra Costa County HCP/NCCP (2006).	The following mitigation measures from the DEIR address Western burrowing owl: **Mitigation Measure 3.4-7 Avoid and Minimize Impacts on Burrowing Owl** • SMUD will have preconstruction burrowing owl surveys conducted in all areas that may provide suitable nesting habitat according to CDFW (CDFG 2012) guidelines. A qualified wildlife biologist shall conduct take avoidance surveys, including documentation of burrows and burrowing owls, in all suitable burrowing owl habitat within 250 feet of proposed construction. Two surveys will be conducted within 15 days prior to ground disturbance to establish the presence or absence of burrowing owls. The surveys will be conducted at least 7 days apart (if burrowing owls are detected on the first survey, a second survey is not needed) for both breeding and non-breeding season surveys. All burrowing owls observed will be counted and mapped. • During the breeding season (February 1 to August 31), surveys will document whether burrowing owls are nesting in or within 250 feet of the project area. • During the non-breeding season (September 1 to January 31), surveys will document whether burrowing owls are using habitat in or directly adjacent to any area to be disturbed. Survey results will be valid only for the season (breeding or non-breeding) during which the survey was conducted.

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	• The qualified biologist will survey the proposed footprint of disturbance and a 250-foot radius from the perimeter of the proposed footprint to determine the presence or absence of burrowing owls. The site will be surveyed by walking line transects, spaced 20 to 60 feet apart, adjusting for vegetation height and density. At the start of each transect and, at least, every 300 feet, the surveyor, with use of binoculars, shall scan the entire visible project area for burrowing owls. During walking surveys, the surveyor will record all potential burrows used by burrowing owls, as determined by the presence of one or more burrowing owls, pellets, prey remains, whitewash, or decoration. Some burrowing owls may be detected by their calls; therefore, observers will also listen for burrowing owls while conducting the survey. • Adjacent parcels under different land ownership will be surveyed only if access is granted. If portions of the survey area are on adjacent sites for which access has not been granted, the qualified biologist will get as close to the non-accessible area as possible and use binoculars to look for burrowing owls. • The presence of burrowing owl or their sign anywhere on the site or within the 250-foot accessible radius around the site will be recorded and mapped. Surveys will map all burrows and occurrence of sign of burrowing owl on the project site. Surveys must begin 1 hour before sunrise and continue until 2 hours after sunrise (3 hours total) or begin 2 hours before sunset and continue until 1 hour after sunset. Additional time may be required for large project sites. If a burrowing owl or evidence of presence at or near a burrow entrance is found to occur within 250 feet of the project site, the following measures will be implemented: • **Burrowing Owl 2.** If burrowing owls are found during the breeding season (approximately February 1 to August 31), the project applicant will: o Avoid all nest sites that could be disturbed by project construction during the remainder of the breeding season or while the nest is occupied by adults or young (occupation includes individuals or family groups foraging on or near the site following fledging). o Establish a 250-foot non-disturbance buffer zone around nests. The buffer zone will be flagged or otherwise clearly marked. Should construction activities cause the nesting bird to vocalize, make defensive flights at intruders, or otherwise display agitated behavior, then the exclusionary buffer will be increased such that activities are far enough from the nest so that the bird(s) no longer display this agitated behavior. The exclusionary buffer will remain in place until the chicks have fledged or as otherwise determined by a qualified biologist.

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	○ Construction may only occur within the 250-foot buffer zone during the breeding season only if a qualified raptor biologist monitors the nest and determines that the activities do not disturb nesting behavior, or the birds have not begun egg-laying and incubation, or that the juveniles from the occupied burrows have fledged and moved off site. Measures such as visual screens may be used to further reduce the buffer with Wildlife Agency approval and provided a biological monitor confirms that such measures do not cause agitated behavior. • **Burrowing Owl 3.** If burrowing owls are found during the non-breeding season (approximately September 1 to January 31), the project applicant will establish a 160-foot buffer zone around active burrows. The buffer zone will be flagged or otherwise clearly marked. Measures such as visual screens may be used to further reduce the buffer with CDFW approval and provided a biological monitor confirms that such measures do not cause agitated behavior. • **Burrowing Owl 4.** During the non-breeding season only, if a project cannot avoid occupied burrows after all alternative avoidance and minimization measures are exhausted, as confirmed by CDFW, a qualified biologist may passively exclude birds from those burrows. A burrowing owl exclusion plan must be developed by a qualified biologist consistent with the most recent guidelines from CDFW (e.g., California Department of Fish and Game 2012) and submitted to and approved by CDFW. Burrow exclusion may be conducted for burrows located in the project footprint and within a 160-foot buffer zone as necessary. • Information about avoidance and minimization measures for western burrowing owl shall be included in the WEAP described above in Mitigation Measure 3.4.1. **Mitigation Measure 3.4-8. Compensate for the Loss of Burrowing Owl Habitat** If burrowing owls are documented as breeding in the project area, compensatory mitigation shall be provided for permanent impacts on (removal of) burrowing owl nesting and foraging habitat. Burrowing owl foraging and nesting habitat will still be available after installation of solar panels. However, if the project results in a net loss of nesting or grassland foraging habitat due to conversion of 57.2 acres of grassland habitat to project infrastructure the loss of habitat will be mitigated as described in CDFW guidelines (CDFG 2012) in consultation with CDFW. The performance standard for compensatory mitigation for nesting and foraging habitat will be to achieve no net loss of habitat value to the burrowing owl. Compensatory mitigation for habitat loss shall be consistent with guidance by CDFW (CDFG 2012) and may include development and implementation of a land management plan to address long-term ecological sustainability and maintenance of the site for burrowing owls on the project site, acquisition of credits in a burrowing owl mitigation bank, or another form of mitigation acceptable to CDFW, such as payment of fees into the PCCP's in-lieu fee program under a

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	Memorandum of Understanding (MOU) with the PCA prior to issuance of improvement plans. In-lieu fee payments would address impacts to special-status species, sensitive natural communities, wetlands and other waters of the US and state/County, and impacts to agricultural lands resulting from the conversion of important farmland (see Mitigation Measure 3.2-1 in Section 3.2 "Agricultural Resources" of this Draft EIR). Payments may be spread out in alignment with construction phasing and will occur prior to the start of each new phase. The compensatory mitigation will be consistent with the PCCP goal of maintaining or increasing the population size of overwintering western burrowing owl and promoting expansion of breeding populations of burrowing owls and will be approved by CDFW. Compensatory mitigation will include the following requirements as described in CDFG 2012: • Permanently protect mitigation land through a conservation easement deeded to a non-profit conservation organization or public agency with a conservation mission, for the purpose of conserving burrowing owl habitat and prohibiting activities incompatible with burrowing owl use. This may occur through the payment of fees into the PCCP's in-lieu fee program under a Memorandum of Understanding (MOU) with the PCA prior to issuance of improvement plans. In-lieu fee payments would address impacts to special-status species, sensitive natural communities, wetlands and other waters of the US and state/County, and impacts to agricultural lands resulting from the conversion of important farmland (see Mitigation Measure 3.2-1 in Section 3.2 "Agricultural Resources" of this Draft EIR). Payments may be spread out in alignment with construction phasing and will occur prior to the start of each new phase. If the project is located within the service area of a CDFW-approved burrowing owl conservation bank, the project proponent may also purchase available burrowing owl conservation bank credits. • Develop and implement a mitigation land management plan to address long-term ecological sustainability and maintenance of the site for burrowing owls. • Fund the maintenance and management of mitigation land through the establishment of a long-term funding mechanism such as an endowment.
Survey Requirements Surveys for burrowing owl must be conducted for projects that occur on the following communities and features in the Valley, or as determined by a qualified biologist, to ensure that occupied burrowing owl nests are not taken: • Grassland • Vernal pool complex • Semi-natural (agriculture)	See DEIR Mitigation Measures 3.4-7 and 3.4-8 above.

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• Other agricultural • Rural residential and urban community if potential burrow sites are available • Man-made structures such as underground pipes, irrigation canal banks, ditches • Banks of intermittent drainages if potential burrow sites are available **Burrowing Owl 1.** Two surveys will be conducted within 15 days prior to ground disturbance to establish the presence or absence of burrowing owls. The surveys will be conducted at least 7 days apart (if burrowing owls are detected on the first survey, a second survey is not needed) for both breeding and non-breeding season surveys. All burrowing owls observed will be counted and mapped. During the breeding season (February 1 to August 31), surveys will document whether burrowing owls are nesting in or within 250 feet of the project area. During the non-breeding season (September 1 to January 31), surveys will document whether burrowing owls are using habitat in or directly adjacent to any area to be disturbed. Survey results will be valid only for the season (breeding or non-breeding) during which the survey was conducted. The Qualified Biologist will survey the proposed footprint of disturbance and a 250-foot radius from the perimeter of the proposed footprint to determine the presence or absence of burrowing owls. The site will be surveyed by walking line transects, spaced 20 to 60 feet apart, adjusting for vegetation height and density. At the start of each transect and, at least, every 300 feet, the surveyor, with use of binoculars, shall scan the entire visible project area for burrowing owls. During walking surveys, the surveyor will record all potential burrows used by burrowing owls, as determined by the presence of one or more burrowing owls, pellets, prey remains, whitewash, or decoration. Some burrowing owls may be detected by their calls; therefore, observers will also listen for burrowing owls while conducting the survey. Adjacent parcels under different land ownership will be surveyed only if access is granted. If portions of the survey area are on adjacent sites for which access has not been granted, the qualified biologist will get as close to the non-accessible are as possible, and use binoculars to look for burrowing owls. The presence of burrowing owl or their sign anywhere on the site or within the 250-foot accessible radius around the site will be recorded and mapped.	

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Surveys will map all burrows and occurrence of sign of burrowing owl on the project site. Surveys must begin 1 hour before sunrise and continue until 2 hours after sunrise (3 hours total) or begin 2 hours before sunset and continue until 1 hour after sunset. Additional time may be required for large project sites.	
Applicable Measures If a burrowing owl or evidence of presence at or near a burrow entrance is found to occur within 250 feet of the project site, the following measures must be implemented: **Burrowing Owl 2.** If burrowing owls are found during the breeding season (approximately February 1 to August 31), the project applicant will: • Avoid all nest sites that could be disturbed by project construction during the remainder of the breeding season or while the nest is occupied by adults or young (occupation includes individuals or family groups foraging on or near the site following fledging). • Establish a 250-foot non-disturbance buffer zone around nests. The buffer zone will be flagged or otherwise clearly marked. Should construction activities cause the nesting bird to vocalize, make defensive flights at intruders, or otherwise display agitated behavior, then the exclusionary buffer will be increased such that activities are far enough from the nest so that the bird(s) no longer display this agitated behavior. The exclusionary buffer will remain in place until the chicks have fledged or as otherwise determined by a qualified biologist. Construction may only occur within the 250-foot buffer zone during the breeding season only if a qualified raptor biologist monitors the nest and determines that the activities do not disturb nesting behavior, or the birds have not begun egg-laying and incubation, or that the juveniles from the occupied burrows have fledged and moved off site. Measures such as visual screens may be used to further reduce the buffer with Wildlife Agency approval and provided a biological monitor confirms that such measures do not cause agitated behavior. **Burrowing Owl 3.** If burrowing owls are found during the non-breeding season (approximately September 1 to January 31), the project applicant will establish a 160-foot buffer zone around active burrows. The buffer zone will be flagged or otherwise clearly marked. Measures such as visual screens may be used to further reduce the buffer with Wildlife Agency approval and	See DEIR Mitigation Measures 3.4-7 and 3.4-8 above

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provided a biological monitor confirms that such measures do not cause agitated behavior. **Burrowing Owl 4.** During the non-breeding season only, if a project cannot avoid occupied burrows after all alternative avoidance and minimization measures are exhausted, as confirmed by the Wildlife Agencies, a qualified biologist may passively exclude birds from those burrows. A burrowing owl exclusion plan must be developed by a qualified biologist consistent with the most recent guidelines from the Wildlife Agencies (e.g., California Department of Fish and Game 2012) and submitted to and approved by the PCA and the Wildlife Agencies. Burrow exclusion will be conducted for burrows located in the project footprint and within a 160-foot buffer zone as necessary.	
Construction Monitoring **Burrowing Owl 5.** A biological monitor will be present on site daily to ensure that no Covered Activities occur within the buffer zone. The qualified biologist performing the construction monitoring will ensure that effects on burrowing owls are minimized. If monitoring indicates that construction outside of the buffer is affecting nesting, the buffer will be increased if space allows (e.g., move staging areas farther away). If space does not allow, construction will cease until the young have fledged from all the nests in the colony (as confirmed by a qualified biologist) or until the end of the breeding season, whichever occurs first. A biological monitor will conduct training of construction personnel on the avoidance procedures, buffer zones, and protocols in the event that a burrowing owl flies into an active construction zone (i.e., outside the buffer zone).	See DEIR Mitigation Measures 3.4-7 and 3.4-8 above
Species Condition 4, Tricolored Blackbird The following measures will be implemented to avoid or minimize effects of Covered Activities on tricolored blackbird nesting colonies and actively used foraging habitat.	The following DEIR mitigation measure will be implemented for tricolored blackbird: **Mitigation Measure 3.4-11. Conduct Focused Pre-Construction Surveys for Nesting Tricolored Blackbird and Avoid Impacts During Construction** • **Preconstruction Tricolored Blackbird Surveys.** Before any ground-disturbing activities or vegetation clearing that may result in effects on potential habitat for Tricolored Blackbird (TRBL), a qualified biologist will conduct a preconstruction survey in potentially suitable nesting habitat (i.e., blackberry thickets and cattail marsh) for this species in the project footprint and a 500-foot buffer to the project footprint. The biologist will conduct three separate surveys, one each in mid-April, mid-May, and mid-June (Beedy, pers. comm., 2022a), and will use methods consistent with survey protocol used by surveyors for the

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	Western Riverside County MSHCP 2018 https://www.wrc-rca.org/species/survey_protocols/2018_Tricolored_Blackbird_Survey_Protocol.pdf). If an active nesting colony is detected during the surveys CDFW will be consulted to provide any guidance on appropriate avoidance and minimization measures in addition to those described below. • **Avoidance and Minimization.** Project activities will avoid occupied TRBL nesting habitat. If TRBL colonies are identified during the breeding season, an approximate buffer of up to 500 feet will be established around the colony, depending on site-specific conditions and at the discretion of a qualified biologist in consultation with CDFW. Any construction-related activities will be excluded from the buffer until the end of the breeding season. • **Construction Monitoring.** If construction takes place during the breeding season when an active colony is present within 500 feet of construction activities, a qualified biologist will regularly monitor construction to ensure that the buffer zone is enforced and to verify that construction is not disrupting the colony. The intensity and frequency of the monitoring will be established in consultation with CDFW. If monitoring indicates that construction outside of the buffer is affecting a breeding colony, the buffer will be increased, as needed, in consultation with CDFW. • Information about avoidance and minimization measures for tricolored blackbird shall be included in the WEAP described above in Mitigation Measure 3.4-1.
Survey Requirements The PCA will provide a map of active colony sites to help determine where a survey for tricolored blackbird must occur. A colony site is considered active if it has been used for nesting in the prior 10 years. Surveys for nesting tricolored blackbird must occur if the PCA-provided map indicates an active colony site occurs on the project site or within 1,300 feet of a colony site. Surveys for nesting tricolored blackbird must also be conducted for project sites below 300 feet elevation, within the following communities. • Aquatic/Wetland complex • Field Agriculture when planted in wheat, grain, triticale, or similar crop • Patches of thorny or spiny vegetation such as blackberry, nettle, or thistle (blackberry is often associated with the riparian constituent habitat) If an active colony site is within 3 miles of the project site and construction will occur within the nesting season (March 15 to July 31), then a survey of	See DEIR Mitigation Measure 3.4-11 above.

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foraging habitat at and immediately surrounding the project site will be conducted within the following communities. • Grassland • Rice Agriculture • Field Agriculture • Aquatic/Wetland Complex • Vernal Pool Complex **Tricolored Blackbird 1.** Preconstruction Surveys – Nest Colony Sites. Prior to initiation of Covered Activities in all project work areas and within 1,300 feet of project work areas, the qualified biologist(s) shall conduct preconstruction surveys to evaluate the presence of tricolored blackbird nesting colonies. In instances where an adjacent parcel is not accessible to survey because the qualified biologist was not granted permission to enter, the qualified biologist will scan all potential nest colony site(s) from the adjacent property, road sides, or other safe, publicly accessible viewpoints, without trespassing, using binoculars and/or a spotting scope to look for tricolored blackbird nesting activity. Surveys should be conducted at least twice with at least one month between surveys during the nesting season 1 year prior to initial ground disturbing for the Covered Activity if feasible, and the year of ground disturbing for the Covered Activity (required). If Covered Activities will occur in the project work area during the nesting season, three surveys shall be conducted within 15 days prior to the Covered Activity, with one of the surveys occurring within 5 days prior to the start of the Covered Activity. The survey methods will be based on Kelsey (2008) or a similar protocol approved by the PCA and the Wildlife Agencies based on site-specific conditions. If the first survey indicates that suitable nesting habitat is not present on the project site or within 1,300 feet of the project work area, additional surveys for nest colonies are not required. Preconstruction surveys are still required, however, as described below in Tricolored Blackbird 2. **Tricolored Blackbird 2.** Preconstruction Surveys – Foraging Habitat. If an active colony is known to occur within 3 miles of the project site, a qualified biologist will conduct two surveys of foraging habitat within the project site and within a 1,300-foot radius around the project site to determine whether	

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foraging habitat is being actively used by foraging tricolored blackbirds. The qualified biologist will map foraging habitat, as defined by the land cover types listed above, within a 1,300-foot radius around the project site to delineate foraging habitat that will be surveyed. The surveys will be conducted approximately one week apart, with the second survey occurring no more than 5 calendar days prior to ground-disturbing activities. Two surveys are required because tricolored blackbirds may not visit a site during a single survey period, as they may be foraging elsewhere. Each survey shall last 4 hours, and begin no later than 8:00 a.m. The qualified biologist will survey the entire project site and a 1,300-foot radius around the project site by observing and listening from accessible vantage points that provide views of the entire survey area. If such vantage points are not available, the qualified biologist will survey from multiple vantage points to ensure that the entire survey area is surveyed. In instances where an adjacent parcel is not accessible to survey because the qualified biologist was not granted permission to enter, the qualified biologist will scan all foraging habitat from the adjacent property, road sides, or other safe, publicly accessible viewpoints, without trespassing, using binoculars and/or a spotting scope to look for tricolored blackbird foraging activity. The qualified biologist will map the locations on the site and within a 1,300-foot radius around the project site where tricolored blackbirds are observed and record an estimate of the numbers of tricolored blackbirds observed (estimated by 10s, 100s, or 1,000s), the frequency of visits (e.g., if individuals or a flock makes repeated foraging visits to the site during the survey period), whether tricolored blackbirds are leaving the site with food in their bills, and the direction they fly to/from.	
Applicable Measures If a tricolored blackbird nesting colony is found, the project applicant will abide by the following measures: **Tricolored Blackbird 3.** Nesting Colony – Avoidance and Minimization. Construction activity or other covered activities that may disturb an occupied nest colony site, as determined by a qualified biologist, will be prohibited during the nesting season (March 15 through July 31 or until the chicks have fledged or the colony has been abandoned on its own) within a 1,300-foot buffer zone around the nest colony, to the extent practicable. The intent of this condition is to prevent disturbance to occupied nest colony sites on or near	See DEIR Mitigation Measure 3.4-11 above.

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project sites so they can complete their nesting cycle. This condition is not intended to preserve suitable breeding habitat on project sites but to ensure impacts to active colony sites only take place once the site is no longer occupied by the nesting colony. The buffer will be applied to extend beyond the nest colony site as follows. • If the colony is nesting in a wetland, the buffer must be established from the outer edge of all hydric vegetation associated with the colony. • If the colony is nesting in non-wetland vegetation (e.g., Himalayan blackberry), the buffer must be established from the edge of the colony substrate. This buffer may be modified to a minimum of 300 feet, with written approval from the Wildlife Agencies, in areas with dense forest, buildings, or other features between the Covered Activities and the occupied active nest colony; where there is sufficient topographic relief to protect the colony from excessive noise or visual disturbance; where sound curtains have been installed; or other methods developed in consultation with the Wildlife Agencies where conditions warrant reduction of the buffer distance. If tricolored blackbirds colonize habitat adjacent to Covered Activities after the activities have been initiated, the project applicant shall reduce disturbance through establishment of buffers or noise reduction techniques or visual screens, as determined in consultation with the Wildlife Agencies and PCA. The buffer must be clearly marked to prevent project-related activities from occurring within the buffer zone. **Tricolored Blackbird 4.** Actively used Foraging Habitat – Avoidance and Minimization. Construction activity or other covered activities that may disturb foraging tricolored blackbirds, as determined by a qualified biologist, will be prohibited within 1,300-feet of the foraging site to the extent feasible during the nesting season (March 15 through July 31 or until the chicks have fledged or the colony has been abandoned on its own) if the foraging habitat was found to be actively used by foraging tricolored blackbirds during at least one of the two foraging habitat surveys conducted under Tricolored Blackbird 2. If survey results indicate that the area provides marginal foraging habitat (e.g., tricolored blackbirds were observed foraging, but only briefly, and most were not successfully capturing prey), or site specific conditions may warrant a reduced buffer, the PCA technical staff will consult with the Wildlife Agencies to evaluate whether the project needs to avoid the foraging habitat or whether	

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a reduced buffer may be appropriate. In such cases, additional surveys may be needed to assess site conditions and the value of the foraging habitat. The buffer must be clearly marked to prevent project-related activities from occurring within the buffer zone. This buffer may be modified to a minimum of 300 feet, with written approval from the Wildlife Agencies, in areas with dense forest, buildings, or other features between the Covered Activities and the actively used foraging habitat; where there is sufficient topographic relief to protect foraging birds from excessive noise or visual disturbance; or in consultation with the Wildlife Agencies if other conditions warrant reduction of the buffer distance. If tricolored blackbird begins using foraging habitat adjacent to Covered Activities after the activities have been initiated, the project applicant shall reduce disturbance through establishment of buffers or noise reduction techniques or visual screens, as determined in consultation with the Wildlife Agencies and PCA. Similar to Tricolored Blackbird 3, the intent of this condition is to allow actively nesting colonies on or near project sites to complete their nesting cycle prior to the loss of the foraging habitat on site. Protecting actively used-foraging habitat during the nesting season will help to enable the tricolored blackbird nesting colony complete its nesting cycle, as loss of valuable foraging habitat could cause the nesting colony to fail. This condition is not intended to preserve suitable foraging habitat on project sites in the long term.)	
Construction Monitoring **Tricolored Blackbird 5.** Nesting Colony – Construction Monitoring. Active nesting colonies that occur within the no-disturbance buffer shall be monitored by the qualified biologist(s) to verify the Covered Activity is not disrupting the nesting behavior of the colony. The frequency of monitoring will be approved by the PCA and based on the frequency and intensity of construction activities and the likelihood of disturbance of the active nest. In most cases, monitoring will occur at least every other day, but in some cases, daily monitoring may be appropriate to ensure that direct effects on tricolored blackbird are minimized. The biologist will train construction personnel on the avoidance procedures and buffer zones. If the qualified biologist(s) determines that the Covered Activity is disrupting nesting and/or foraging behavior, the qualified biologist(s) shall notify the project applicant immediately, and the project applicant shall notify the PCA within 24 hours to determine additional protective measures that can be	See DEIR Mitigation Measure 3.4-11 above.

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implemented. The qualified biologist(s) shall have the authority to stop Covered Activities until additional protective measures are implemented. Additional protective measures shall remain in place until the qualified biologist(s) determine(s) tricolored blackbird behavior has normalized. If additional protective measures are ineffective, the qualified biologist(s) shall have the authority to stop Covered Activities as needed until the additional protective measures are modified and nesting behavior of tricolored blackbird returns to normal. Additional protective measures may include increasing the size of the buffer (within the constraints of the project site), delaying Covered Activities (or the portion of Covered Activities causing the disruption) until the colony is finished breeding and chicks have left the nest site, temporarily relocating staging areas, or temporarily rerouting access to the project work area. The project proponent shall notify the PCA and Wildlife Agencies within 24 hours if nests or nestlings are abandoned. If the nestlings are still alive, the qualified biologist(s) shall work with the Wildlife Agencies to determine appropriate actions for salvaging the eggs or nestlings. Notification to PCA and Wildlife Agencies shall be via telephone or email, followed by a written incident report. Notification shall include the date, time, location, and circumstances of the incident. **Tricolored Blackbird 6.** Actively used Foraging Habitat – Construction Monitoring. Foraging habitat within the buffer shall be monitored by the qualified biologist(s) to verify that the Covered Activity is not disrupting tricolored blackbird foraging behavior. The frequency of monitoring will be approved by the PCA and based on the frequency and intensity of construction activities and the likelihood of disturbance of foraging tricolored blackbirds. In most cases, monitoring will occur at least every other day, but in some cases, daily monitoring may be appropriate to ensure that effects on tricolored blackbird are minimized. The biologist will train construction personnel on the avoidance procedures and buffer zones. If the qualified biologist(s) determines that the Covered Activity is disrupting foraging behavior, the qualified biologist(s) shall notify project applicant immediately, and the project applicant shall notify the PCA within 24 hours to determine additional protective measures that can be implemented. The qualified biologist(s) shall have the authority to stop Covered Activities until additional protective measures are implemented. Additional protective measures shall remain in place until the qualified biologist(s) determine(s)	

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tricolored blackbird behavior has normalized. If additional protective measures are ineffective, the qualified biologist(s) shall have the authority to stop Covered Activities as needed until the additional protective measures are modified and foraging behavior of tricolored blackbird returns to normal. Additional protective measures may include increasing the size of the buffer (within the constraints of the project site), temporarily relocating staging areas, or temporarily rerouting access to the project work area.	
Species Condition 5, Giant Garter Snake The following measures will be implemented to avoid or minimize effects of Covered Activities on giant garter snakes. This condition is based on the USFWS's *Standard Avoidance and Minimization Measures during Construction Activities in Giant Garter Snake* (*Thamnophis gigas*) Habitat (U.S. Fish and Wildlife Service 1999a).	Although giant garter snake is not expected to be present in the project area, out of abundance of caution, the following mitigation measure was included in the DEIR: **Mitigation Measure 3.4-5. Conduct Pre-Construction Surveys for Giant Garter Snake and Implement Avoidance and Minimization Measures** • Project ground-disturbing activities in aquatic habitat and adjacent upland habitat within 200 feet of aquatic habitat will be conducted during the giant garter snake's active season (i.e., after May 1 and before October 1), to the extent feasible. During this period, the potential for direct mortality is reduced, because snakes are expected to actively move and avoid danger. If project activities in aquatic habitat and adjacent upland habitat within 200 feet of aquatic habitat must be implemented outside of the snake's active season, the following mitigation measures must be implemented: o Within 24-hours prior to commencement of construction activities within 200 feet of potential giant garter snake habitat, the site shall be inspected by a qualified biologist who is approved by the CDFW and USFWS. If construction activities stop for a period of 2 weeks or more, another preconstruction clearance survey will be conducted within 24 hours before resuming construction activity. If snakes, or evidence of snakes, are encountered during preconstruction surveys, a biological monitor shall be present during construction activities in aquatic habitat and adjacent upland habitat within 200 feet of aquatic habitat. o The monitoring biologist shall be present during construction within 200 feet of potential aquatic habitat for giant garter snake (i.e., drainages that contain water) for the duration of the project. If a snake is encountered during construction activities, the monitoring biologist shall have the authority to stop construction activities until appropriate corrective measures have been completed or it is determined that the snake will not be harmed. The monitor will remain in the area for the remainder of the workday to ensure the snake is not harmed or, if it leaves the site, does not return. The qualified biologist will work with the PCA, USFWS, and CDFW to redirect the snake away from the disturbance area within 3 days of reporting the snake's presence at the construction site to USFWS and CDFW.

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	• The project biologist shall report any observations of giant garter snake to CDFW and USFWS within 24 hours of detection. • Information about avoidance and minimization measures for giant garter snake shall be included in the WEAP described above in Mitigation Measure 3.4-1.
Survey Requirements If the communities listed below are present on or adjacent to a project site and within the geographic range of giant garter snake habitat in the Plan Area (see Appendix D, Species Accounts), a qualified biologist will conduct a survey to assess whether the communities provide suitable habitat for giant garter snake. Giant garter snake surveys will be conducted according to the USFWS's Standard Avoidance and Minimization Measures During Construction Activities in Giant Garter Snake (*Thamnophis gigas*) Habitat7or the current Wildlife Agency–approved protocol. If there is any deviation in the written text below and the formal USFWS guidelines, then the USFWS guidelines or otherwise current Wildlife Agency–approved protocol takes precedence. Project-by-project mitigation requirements do not apply. Mitigation will be addressed through the requirements of the conservation strategy, as described in Section 5.4.5, *Giant Garter Snake*. a. Aquatic/Wetland Complex (Fresh Emergent Marsh, seasonal wetlands, and ponds) b. Rice Agriculture c. Riverine/Riparian in Low-gradient Streams d. Managed Open Water (sloughs, small lakes, irrigation and drainage canals) If there is any question about the suitability of the habitat to support giant garter snakes and/or potential for species occurrence, USFWS and CDFW may be consulted. If the surveyor cannot legally access neighboring land within 200 feet of a project site, the qualified biologist may survey the adjacent parcel with binoculars or a spotting scope.	See DEIR Mitigation Measure 3.4-5 above.

Applicable Measures **Giant Garter Snake 1.** To avoid effects on giant garter snake aquatic habitat, the project proponent will conduct no in-water/in-channel activity and will maintain a permanent 200-foot non-disturbance buffer from the outer edge of suitable habitat. If the project proponent cannot avoid effects of construction activities, the project proponent will implement the following measures to minimize effects of construction projects. • Conduct preconstruction clearance surveys using USFWS and CDFW-approved methods within 24 hours prior to construction activities within identified giant garter snake aquatic and adjacent upland habitat. If construction activities stop for a period of 2 weeks or more, conduct another preconstruction clearance survey within 24 hours of resuming construction activity. • Restrict all construction activity involving disturbance of giant garter snake habitat to the snake's active season, May 1 through October 1. During this period, the potential for direct mortality is reduced, because snakes are expected to actively move and avoid danger. • In areas where construction is to take place, encourage giant garter snakes to leave the site on their own by dewatering all irrigation ditches, canals, or other aquatic habitat (i.e., removing giant garter snake aquatic habitat) between April 15 and September 30. Dewatered habitat must remain dry, with no water puddles remaining, for at least 15 consecutive days prior to excavating or filling of the habitat. If a site cannot be completely dewatered, netting and salvage of giant garter snake prey items may be necessary to discourage use by snakes. • Provide environmental awareness training for construction personnel. Training may be implemented through the distribution of approved brochures and other materials that describe resources protected under the Plan and methods for avoiding effects. If a live giant garter snake is encountered during construction activities, immediately notify the project's biological monitor and USFWS and CDFW. The monitor will stop construction in the vicinity of the snake, monitor the snake, and allow the snake to leave on its own. The monitor will remain in the area for the remainder of the work day to ensure the snake is not harmed or, if it leaves the site, does not return. The qualified biologist will work with the PCA, USFWS, and CDFW to redirect the snake away from the disturbance area	See DEIR Mitigation Measure 3.4-5 above.

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within 3 days of reporting the snake's presence at the construction site to USFWS and CDFW. • Employ the following management practices to minimize disturbances to habitat. o Install temporary fencing to identify and protect adjacent marshes, wetlands, and ditches from encroachment from construction equipment and personnel. o Maintain water quality and limit construction runoff into wetland areas through the use of hay bales, filter fences, vegetative buffer strips, or other accepted practices. No plastic, monofilament, jute, or similar erosion control matting that could entangle snakes or other wildlife will be permitted.	
Species Condition 6, California Red-legged Frog, Foothill Yellow-legged Frog, and Western Pond Turtle California red-legged frog, foothill yellow-legged frog, and western pond turtle are all species that rely on aquatic habitats for a portion of their life cycles. Many of the avoidance measures in this chapter focus on the avoidance and minimization of impacts on these aquatic habitats, addressing minimizing converted land as well as degradation of habitat (water quality and other indirect effects). Conditions on Covered Activities that provide avoidance and minimization for California red-legged frog, foothill yellow-legged frog, and western pond turtle include: • General Condition 1, Watershed Hydrology and Water Quality • Community Condition 1.1, Avoidance of Vernal Pool Complex Constituent Habitat • Community Condition 1.2, Avoidance of Aquatic/Wetland Complex Constituent Habitat • Community Condition 2, Riverine and Riparian Avoidance and Minimization • Community Condition 3, Valley Oak Woodland Avoidance, Minimization, and Mitigation • Stream System Condition 1, Stream System Avoidance and Minimization • Regional Public Projects Condition 1, Transportation and Other Infrastructure Projects Design Requirements	**CRLF** - No potential to occur. No CNDDB records within 10 miles of the project site. The project site is outside the species' range, and physical barriers prevent dispersal into the project site from the nearest occurrence. **FYLF** – No potential to occur. No suitable habitat in the project site, and no CNDDB records within 10 miles of the project site (CDFW 2021). The DEIR includes the following mitigation measures to address **Western Pond Turtle**: **Mitigation Measure 3.4-3. Conduct Pre-Construction Surveys for Western Pond Turtle** • Project ground-disturbing activities will be conducted outside of western pond turtle's active breeding and dispersal season (i.e., after May 1 and before September 15), to the extent feasible. If project activities must be implemented during the breeding and dispersal season, they will not start until 30 minutes after sunrise and must be completed 30 minutes prior to sunset. • A qualified biologist shall conduct a pre-construction survey for western pond turtle within 48 hours prior to the start of construction activities within 300 feet of suitable habitat (e.g., any adjacent waterway, marsh, or emergent wetland). Concurrently with the pre-construction survey, searches for nesting sites shall be conducted and any identified sites shall be delineated with high-visibility flagging or fencing and avoided during construction activities. If avoidance is not possible, the nest and/or turtle shall be removed by a qualified biologist and relocated to an appropriate location in consultation with CDFW. **Mitigation Measure 3.4-4. Avoid Impacts on Western Pond Turtle during Construction** If turtles and/or nests are encountered during the pre-construction survey, a qualified biologist shall be present during grubbing and clearing activities in suitable habitat (aquatic) to monitor

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• Regional Public Projects Condition 2, Transportation and Other Infrastructure Projects Construction BMPs • Regional Public Projects Condition 3, Operation and Maintenance BMPs • Species Condition 4, Tricolored Blackbird • Species Condition 7, Central Valley Steelhead and Central Valley Fall-/Late Fall-Run Chinook Salmon (Salmonids) In addition to these avoidance and minimization measures, General Condition 3, Land Conversion, provides a process for accounting for loss of natural and semi-natural that is more encompassing than standard practice. This approach better addresses the piecemeal loss of high-quality, contiguous habitat that would occur without a plan such as that HCP/NCCP. Finally, Chapter 5, Conservation Strategy, provides guidance on how impacts that cannot be avoided and minimized are mitigated. Mitigation not only includes addressing loss of aquatic resources, but surrounding uplands and loss of habitat connectivity as well. Because the effects on California red-legged frog, foothill yellow-legged frog, and western pond turtle are addressed through the approach to assessing impact and applying extensive avoidance and minimization measures, no additional avoidance and minimization measures specific to these species are required.	for western pond turtle. If a turtle is observed in the active construction zone, construction shall cease within a 100-foot buffer. Construction may resume when the biologist has, in consultation with CDFW, either hand-captured and relocated the turtle to nearby suitable habitat outside the construction zone, or, after thorough inspection, determined that the turtle has moved away from the construction zone. On-site personnel will observe a 20-mile-per-hour speed limit at all times. Information about avoidance and minimization measures for western pond turtles shall be included in the WEAP described above in Mitigation Measure 3.4-1.
Species Condition 7, Central Valley Steelhead and Central Valley Fall-/Late Fall-Run Chinook Salmon (Salmonids)	N/A. Steelhead–Central Valley DPS *Oncorhynchus mykiss irideus* pop. 11 Unlikely to occur. No suitable aquatic habitat in the project site. This species is known to occur in the Delta from Chipps Island to the San Joaquin River at Dos Reis and Sacramento River at Garcia Bend. CNDDB identified a single occurrence within a 2-mile buffer of the project site in Roseville at Dry Creek and its tributaries, Secret Ravine and Miners Ravine.
Species Condition 8, Valley Elderberry Longhorn Beetle The following measures will be implemented to avoid or minimize effects of Covered Activities on valley elderberry longhorn beetle. Surveys for valley elderberry longhorn beetle are required for Covered Activities within the following habitat features when below 650 feet elevation (above mean sea level): a. Riparian constituent habitat b. Valley oak woodland community	Surveys for elderberry shrubs and trees was conducted by AECOM in 2021. No elderberry shrubs or trees were found within the project site.

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c. Stream System (excluding frequently disked or flooded agricultural lands such as rice that would not likely support elderberry shrubs) The project applicant will apply avoidance and minimization measures as specified in the USFWS's *Conservation Guidelines for the Valley Elderberry Longhorn Beetle* (U.S. Fish and Wildlife Service 1999b) or the current Wildlife Agency–approved avoidance and minimization protocol. When take is authorized the project applicant must coordinate with the PCA to provide transplants and seedlings/cuttings for planting in suitable habitat on the Reserve System consistent with the USFWS Guidelines/Framework. Project-by-project mitigation requirements for valley elderberry longhorn beetle cannot be applied to the restoration requirements of 6.3.2.2.3 (Community Condition 2.3, Riverine and Riparian Restoration) for a project's associated riparian native trees/shrubs impacts to be planted as replacement habitat (i.e., mitigation for impacts to valley elderberry longhorn beetle [transplants and plantings of seedlings/cuttings] does not count as mitigation for impacts to riverine and riparian [restoration of riverine and riparian]). The distinction between valley elderberry longhorn beetle impacts and riverine/riparian impacts will be addressed through project-specific mitigation requirements that provide for restoration of natural communities, including riverine/riparian complex (i.e., restoration dependent on effects; see Table 5-4).	
Species Condition 9, Conservancy Fairy Shrimp	N/A – No potential to occur. There is suitable vernal pool habitat is present on the project site, however, the nearest observation is not within proximity to the project site. There was one CNDDB occurrence identified within the Sheridan 7.5-minute quadrangle (CDFW 2021). Avoidance of all vernal pools and seasonal wetlands.
Species Condition 10, Vernal Pool Fairy Shrimp and Vernal Pool Tadpole Shrimp	N/A – Avoidance of all vernal pools and seasonal wetlands. See Mitigation Measures 3.4-2, 3.4-12, 3.4-16, and 3.4-17.
Reserve Management Conditions	N/A – Not within the Reserve Management Area.